

# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## COVERAGE

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## SURFACE PREPARATION

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## PERFORMANCE

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## TECHNICAL DATA

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Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## COVERAGE

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Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
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## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
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## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
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- Do not apply on hot surfaces above 40°C

## OVERCOATING

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## CLEANING

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- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
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## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
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- **Fire resistance:** Passes BS 476, Part 7 with a class 1
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## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
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## APPLICATION

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## CLEANING

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## PRECAUTIONS

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- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
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## TECHNICAL DATA

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## COVERAGE

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Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminants.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
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## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
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- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
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## APPLICATION

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- Do not apply on hot surfaces above 40°C

## OVERCOATING

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## CLEANING

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- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
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- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

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## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
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## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
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## PRODUCT USES

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## ADVANTAGES

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- Low cost
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- Hard and flexible
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## COVERAGE

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## SURFACE PREPARATION

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## OVERCOATING

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- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminants.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminants.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## DESCRIPTION

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
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## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
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- **Fire resistance:** Passes BS 476, Part 7 with a class 1
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## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
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- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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# RUSTBUSTER – Application Instructions

## DESCRIPTION

**NS1 Rust Buster** is a rust converter and primer that chemically reacts with iron oxides transforming them into a stable compound which can be overcoated.

## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminants.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
- Make sure the surface is dry.
- In heavy industrial and marine atmospheres, the surfaces must be washed down with fresh water prior to application and allowed to dry.

## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
- Apply one generous coat of **NS1 Rust Buster** to rusted, dry metal surface using a stiff brush as it assists penetration of the solution into the rust. It is also possible to use a soft brush, roller and airless spray, and by air assisted spray if thinned. Surface will turn blue/black in colour in 2 – 3 hours as the chemical reaction takes place. If **NS1 Rust Buster** is applied to a clean surface, **NS1 Rust Buster** will remain clear.
- Do not apply on hot surfaces above 40°C

## OVERCOATING

- Abrade lightly (after 2 – 3 hours) before overcoating.
- Allow to dry thoroughly (6-8 hours). **This is very important when overcoating with Protecta-kote**
- For maximum protection against future corrosion apply an intermediate coat of zinc phosphate anticorrosive primer (**NS4 Anti-Rust Coating**) before applying the topcoat (especially for humid and coastal environments).
- Paints that can be used to overcoat **NS1 Rust Buster** include alkyds (enamel paints), epoxies, vinyls, nitrocellulose (lacquers) and polyurethanes (Protecta-kote). Before overcoating with acrylics and water based systems, first apply a coat of solvent based universal undercoat to prevent bleed through.

## CLEANING

- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm 2$  hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

Rust converter and primer

## ADVANTAGES

- Easy to apply, no skilled labour required
- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
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## APPLICATION

- Stir or shake **NS1 Rust Buster** thoroughly before use.
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- Do not apply on hot surfaces above 40°C

## OVERCOATING

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## CLEANING

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## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
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# RUSTBUSTER – Application Instructions

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## PERFORMANCE

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## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

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## PRODUCT USES

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## ADVANTAGES

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- Neutralises corrosion
- Compatible with most paints
- Low cost
- Low water permeability
- Hard and flexible
- Non toxic
- Resistant to flash rust
- Chemical resistant

## COVERAGE

Approximately 12 to 14 m<sup>2</sup> per litre.

## SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae and grease. Clean away all loose rust, paint, oil, grease or other contaminates.
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## APPLICATION

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- Do not apply on hot surfaces above 40°C

## OVERCOATING

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- Use water to clean equipment and spills.
- Remove spills with water or meths immediately.
- The solution will stain concrete if accidentally spilled.
- Stains developed on the hands or surfaces can be removed with a 1% solution of sodium hypochlorite (household bleach) diluted 4 times with water.

## PRECAUTIONS

- **NS1 Rust Buster** must be overcoated.
- Do not apply at temperatures below 8°C
- Not suitable for substrates continually above 60°C.

# RUSTBUSTER – Application Instructions

- Not for internal consumption or inhalation. If swallowed, perform gastric lavage.
- Avoid contact with skin or eyes. In case of accidental contact, flush with water.
- If splashed into the eye, rinse with a 1% solution of sodium bicarbonate.
- Keep out of reach of children.

## PERFORMANCE

- **Salt spray:** When applied to blast cleaned steel at a dry film thickness of 50 microns above the surface profile **NS1 Rust Buster** gives excellent barrier properties and shows minimal failure when subjected to **2000 hrs** salt spray (ASTM B117)
- **Rust conversion:** Converts surface rust to an iron organic complex in  $\pm$  2 hours
- **Flexibility:** 6mm bend (Pass)
- **Hardness:** Falling weight test, 3mm indent (Pass)
- **Scratch resistance:** 2000g
- **Resistance to flash rust:** Excellent
- **Fire resistance:** Passes BS 476, Part 7 with a class 1
- **Chemical resistance:** Resists spillage of strong acids, alkali's, aliphatic solvents, alcohols, petrol, crude oil and diesel. Not resistant to aromatic solvents, animal and vegetable oils.

## TECHNICAL DATA

Type	Vinyl Acrylic Copolymer with rust converting agent
Pack Size	500ml, 1 litre or 5 litre
No of components	One
Colour	Cream coloured liquid, which turns blue-black when reaction is complete.
Touch drying time	2 to 3 hours
Overcoating time	6 to 8 hours depending on climatic conditions
Volume solids	30% to 33%
Service Temperature	0°C to 60°C
Application Temperature	5°C to 40°C
Density	1,2 g/cm <sup>3</sup>
Toxicity	Moderately toxic when wet
Shelf life	1 year
Storage	Undercover in cool, dry conditions, max. 40°C

*Technical details above are provided in good faith. We are an ISO 9001: 2000 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct his own suitability tests before use.*

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