**NS4 Anti-Rust Coating**

Duram NS4 Anti-Rust Coating is a high performance metal primer and rust treatment engineered with anti-corrosive zinc-phosphate pigments that prevents the development of rust. Suitable for new or corroded metal, NS4 Anti-Rust Coating stops rust that may have already formed and creates a highly effective barrier against the formation of new rust.

**Colours:** Black, Red, Grey, Green, White

**PRODUCT USES**

- Prime a variety of metals including steel and galvanized iron.
- Superior anti-rust coating for new or corroded metal.
- Suitable for domestic, industrial and automotive uses, including priming of industrial steel framing, farm implements, tanks, roofs, handrails, window and door frames.

**ADVANTAGES**

- Superior corrosion resistant formula - contains Zinc Phosphate.
- Easy to use.
- Quick drying and can be handled within an hour.
- Water based - solvent free.
- It has good flow and leveling properties, leaving the surface smooth and ready for paint.
- Good sanding and topcoat adhesion.
- It has no toxic fumes, so you can safely use it in a confined space.
- Cleaning your tools afterwards is easy - simply use water.
- Non-flammable and environment friendly.

**COVERAGE**

- Recommended spread rate of 1 litre per 8 - 10 m² per coat, depending on surface.
- Recommended wet film thickness of 80 microns per coat giving a dry film thickness of 40 microns per coat.
SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, mill scale, salt, algae, grease and excess rust.
- Weathered steel & weathered galvanized iron: Remove all rust by sanding or wire brushing. Rinse with water to remove sanding dust and allow to dry. If metal has been exposed to salty air, wash off thoroughly with fresh water. If substrate is contaminated with any grease, grime or oil, clean with Duram NS2 Galvanized Iron Cleaner or lacquer thinners, rinse off with water and allow to dry.
- New metal: New metal requires special treatment.Abrade surface lightly, then rinse well. Remove mill scale by sandblasting or with a chipping hammer (sand-blasting to SA2½ with a 40 to 50 profile gives the best results). Prime with Duram NS5 Metcote.
- New galvanized iron: Clean surface with Duram NS2 Galvanized Iron Cleaner according to instructions. Rinse thoroughly with water until a water breakfree surface is attained and allow to dry. Apply Duram NS6 Galvanized Iron Primer and allow to dry. Overcoat with Duram NS4 Anti-Rust Coating within 3 days.
- New steel: Remove any surface rust or mill scale by sanding or wire brushing. Wash with Duram NS2 Galvanized Iron Cleaner or lacquer thinners to remove sanding dust and any oils or grease. Rinse with water and allow to dry. Apply Duram NS5 Metcote and allow to dry. Overcoat with Duram NS4 Anti-Rust Coating within 3 days.

APPLICATION

- Stir Duram NS4 Anti-Rust Coating well.
- Apply using a brush, roller or spray.
- Allow first coat of NS4 Anti-Rust Coating to dry for at least one hour before applying a second coat.
- For best results always apply two coats.
- Allow NS4 Anti-Rust Coating a minimum of 48 hours to cure before applying a topcoat.
- For optimal protection, NS4 Anti-Rust Coating should be top coated with Duram NS8 Metal Topcoat, Duram NuGlo, Duram Roofkote or other quality acrylic, enamel or epoxy paints.

CLEANING

- Hands and equipment are easily cleaned in water while wet. Collect spills with suitable absorbent material.

IMPORTANT

- Application in areas where surface temperature exceeds 40°C is not recommended.
- Exhibit care when overcoating with compositions containing strong solvents e.g. nitro-cellulose lacquers.
- Full cure of Duram NS4 Anti-Rust Coating should be obtained before overcoating with lacquers.

SAFETY PRECAUTIONS

- Not for internal consumption.
- Keep out of reach of children.
- Skin or Eye contact: If splashed in the eyes or on skin, rinse off immediately with clean warm water.
- Spray application: areas where spraying takes place should be clean and well ventilated. If necessary use suitable respiratory safety equipment and protective clothing.

DURAM NS METAL COATINGS

- NS1 Rust Buster: Stop rust quickly and easily with Duram NS1 Rust Buster, a rust converter and metal primer that neutralises rust leaving metal ready for priming and painting.
- NS2 Galvanized Iron Cleaner: Clean away grease and dirt with Duram NS2 Galvanized Iron Cleaner. NS2 also etches the metal to assist adhesion.
- NS4 Anti-Rust Coating: Prevent rust with Duram NS4 Anti-Rust Coating, a high-performance treatment that contains Zinc Phosphate, a proven barrier against rust.
- NS5 Metcote: Prime metal with Duram NS5 Metcote, a high adhesion primer that contains acids that etch the metal surface ensuring excellent adhesion.
- NS8 Metal Topcoat: Decorate and protect metal with Duram NS8 Metal Topcoat. This polyurethane enhanced enamel combines the strength of polyurethanes and the weather resistance of acrylics, for a tough yet beautiful surface.
## TECHNICAL DATA

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
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<tbody>
<tr>
<td>Pack Size</td>
<td>500ml, 1 litre, 5 litre, 25 litre</td>
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<tr>
<td>No of components</td>
<td>One</td>
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<tr>
<td>Drying time</td>
<td>Surface: 1hr at 25°C</td>
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<tr>
<td></td>
<td>Hard: 6 hrs at 25°C</td>
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<tr>
<td>Overcoating</td>
<td>48 hrs at 25°C for solvent based topcoat</td>
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<tr>
<td></td>
<td>4 hrs at 25°C for acrylic topcoat</td>
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<tr>
<td>Volume solids</td>
<td>48% to 52%</td>
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<tr>
<td>Wet film thickness</td>
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<td>Dry film thickness</td>
<td>40 microns per coat</td>
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<td>Service temperature</td>
<td>-10°C to 60°C</td>
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<tr>
<td>Application temperature</td>
<td>5°C to 40°C</td>
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<tr>
<td>Density</td>
<td>1.31 to 1.38g/cm³</td>
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<td>Finish</td>
<td>Matt</td>
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<tr>
<td>Toxicity</td>
<td>Non Toxic when dry</td>
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<tr>
<td>Fire Hazard</td>
<td>No</td>
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<td>Shelf life</td>
<td>24 months</td>
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<tr>
<td>Storage</td>
<td>Under cover in cool, dry conditions</td>
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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 their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

**MANUFACTURED BY: DURAM (PTY) LTD**

**Updated: September 2007 (this supercedes all previous publications)**