

# NS4

## Anti-Rust Primer

*Duram NS4 Anti-Rust Primer* is a high performance treatment to neutralize existing rust and prevent the formation of new rust. It offers ultimate long term rust protection on new and corroded metal, mild steel, galvanized iron and other metals.

TRUSTED  
BEST  
SELLER



### PRODUCT USES

- Ultimate rust protection – neutralises existing rust and prevents the long term formation of new rust.
- For new and corroded mild steel, aluminium, Chromadek, ZincAlume or AluZinc.
- For optimal protection against corrosion on weathered galvanized iron.
- Spot prime previously painted, rusted areas before repainting.
- Domestic and commercial uses including structural steel, roofs, gates, fencing, window and door frames, balustrades and handrails, staircases, light fitting, burglar bars, patio furniture, playground equipment, piping, farm implements and tanks.
- Interior and exterior use.



### ADVANTAGES

- Trusted best seller.
- High performance treatment.



### SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, rust, salt, algae, fungi, oil and grease.
- Remove all loose, flaking and embedded rust, mill scale and paint by simply scraping it off with abrasive tools such as coarse sandpaper, a wire brush, mechanical grinder, or sandblast (SA 2 ½ with a 40 to 50 profile) for large areas. Finish with a fine grain sandpaper to smooth the surface. Bring metal back to a sound condition.
- Clean substrate with *Duram NS2 Galvanized Iron Cleaner* as per instructions.
- Treat rust particularly in difficult, hard to reach areas with *Duram NS1 Rust Buster* as per instructions.
- Ensure the appropriate Duram primer or undercoat is applied within 12 hours of surface preparation, and immediately for coastal environments, to prevent contamination and oxidation.

- Excellent adhesion.
- Promotes a smooth topcoat – excellent topcoat adhesion.
- Seals out harmful moisture.
- Quick drying – fast recoat.
- Easy to use.
- Water-based – water clean up.
- Low VOC and low odour for use in confined spaces.
- Non-flammable.
- Available in a variety of colours.
- Compatible with most topcoats.



### COVERAGE

- 2 coats @ 8 – 10m²/litre per coat. Depending on surface conditions.
- Wet film thickness: 80 microns per coat.
- Dry film thickness: 40 microns per coat.
- A third coat is required for aggressive environments such as coastal and industrial areas.

**UNPAINTED SURFACES - NEW**

- Mild steel and aluminium: Prime with *Duram NS5 Metcote Etch Primer* as per instructions.
- Galvanized iron: Prime with *Duram NS6 Galvanized Iron Primer* as per instructions.

**UNPAINTED SURFACES - WEATHERED**

- Mild steel: Apply *Duram NS4 Anti-Rust Primer* direct to prepared surface.
- Aluminium: Prime with *Duram NS5 Metcote Etch Primer* as per instructions.
- Galvanized iron: Prime with *Duram NS6 Galvanized Iron Primer* as per instructions.

**CHROMADEK, ZINCALUME OR ALUZINC**

- Prime with *Duram NS5 Metcote Etch Primer* as per instructions.

**PREVIOUSLY PAINTED SURFACES**

- Remove powdery or loose, flaking paint completely with a wire brush, sandpaper or high pressure cleaner. Abrade surface with coarse sandpaper to ensure good adhesion. Wipe down with a slightly damp cloth and allow to dry. Spot prime bare substrate with the appropriate primer as for New Surfaces.

**APPLICATION**

- Stir *Duram NS4 Anti-Rust Primer* well using a flat paddle.
- Thinning is not recommended.
- Apply two or more coats at a uniform thickness with a brush or roller using long, smooth strokes. For airless spray use 17, 19 or 21 thou nozzle sizes, or by air assisted spray if thinned with 5 - 10% water.
- Drying time between coats: 2 - 4hrs
- Allow to dry completely - 4 hours for a water-based topcoat or 24 hours for an oil-based topcoat. Apply topcoat immediately.

**CLEANING**

- Water clean up.

**IMPORTANT**

- Call our Technical Helpline or visit [duram.co.za](http://duram.co.za) for queries and updated Datasheets and Material Safety Datasheets.
- Dry paint colour and sheen may vary from colour label.
- Check that paint containers carry the same batch number.
- Take care when lifting and carrying. In transit, keep tightly closed in a secure upright position.
- Whilst every care is taken in manufacture, no warranty is given relating to use.
- Do not mix with Mineral Turpentine.
- Do not overcoat with epoxies and 2K polyurethanes.
- Do not apply outside if rain is expected. Apply when ambient and surface temperatures are 5°C to 35°C.
- Keep cool and protect against freezing.
- Donate unwanted paint. Dispose contents responsibly - do not empty into drains or watercourses. Recycle empty container.

**SAFETY PRECAUTIONS**

- *Duram NS4 Anti-Rust Primer* is water-based and is generally safe to use.
- Keep out of reach of children.
- If swallowed: Immediately call a poison centre / doctor.
- If on skin: Wash with plenty of soap and water.
- Use in a well-ventilated area. If experiencing respiratory symptoms: Move person to fresh air. Call a doctor.
- If in eyes: Rinse with water.



## SUPPORTING PRODUCTS



Duram  
NS2 Galvanized Iron Cleaner



Duram  
NS1 Rust Buster



Duram  
NS5 Metcote Etch Primer



Duram  
NS6 Galvanized Iron Primer



Duram  
NS8 Metal Coat Topcoat



Duram  
Roofkote



## YOU MAY ALSO NEED

- 220 Grit Water Paper
- Primers and Undercoats
- Enamel paint for trims, doors and windows
- Anti-fungal wash
- High Pressure Cleaner
- Paper towel and cloths
- Wire brush, sandpaper or steel wool
- Masking tape
- Tape measure and stanley blade
- Drop sheets
- Ladder
- Paint scraper
- Screwdriver or paint can opener
- Paint stirrer or flat paddle
- Protective gloves/protective clothing/eye protection/face protection
- Paint tray lined with foil to save clean-up time
- Medium to heavy pile roller
- Extension pole
- Additional utensils/products may be required in the preparation of surfaces.



## TECHNICAL DATA

<b>Pack Size</b>	500ml, 1 litre, 5 litre and 20 litre	<b>Application temperature</b>	5°C to 40°C
<b>No of components</b>	1	<b>Density</b>	1,31 to 1,38g/cm <sup>3</sup>
<b>Drying time</b>	Surface: 1 hour at 25°C Hard: 6 hours at 25°C	<b>Finish</b>	Matt
<b>Overcoating</b>	48 hours at 25°C for solvent base topcoat 4 hours at 25°C for acrylic topcoat	<b>Toxicity</b>	Non Toxic when dry
<b>Volume solids</b>	48% - 52%	<b>Fire Hazard</b>	No
<b>Wet film thickness</b>	80 microns per coat	<b>Shelf life</b>	24 months
<b>Dry film thickness</b>	40 microns per coat	<b>Storage</b>	Under cover in cool, dry conditions
<b>Service Temperature</b>	-10°C to 60°C		

Technical details above are provided in good faith. 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.

Updated: July 2021 (this supersedes all previous publications)