

# NS5

## Metcote Etch Primer

*Duram NS5 Metcote Etch Primer* self-etches and primes new and weathered metal, mild steel, aluminium, PVC and fibreglass for maximum adhesion.



### PRODUCT USES

- Self-etches and primes for maximum adhesion.
- New and weathered mild steel, stainless steel, aluminium, PVC and fibreglass, Chromadek, ZincAlume and AluZinc.
- Ideal for smooth metal surfaces.
- For domestic, commercial and industrial uses including structural steel, roofs, gates, fencing, window and door frames, balustrades and handrails, staircases, light fittings, burglar bars, patio furniture, playground equipment, piping, farm implements, tanks and PVC pipes and gutters.
- Interior and exterior use.



### ADVANTAGES

- Maximum adhesion to a wide variety of substrates.

- Promotes smooth topcoat - excellent topcoat adhesion.
- Quick drying - fast topcoat
- Heat resistant to 220°C.
- Acid and alkali resistant.



### COVERAGE

- 1 coat @ 8 - 10m<sup>2</sup>/litre per coat. Depending on surface conditions.
- Wet film thickness: 100 - 160 microns per coat
- Dry film thickness: 15 - 25 microns per coat
- A second coat is required for aggressive environments such as coastal and industrial areas.

Approximate m<sup>2</sup> coverage per pack size.  
Based on one coat.

<b>500ml</b> = 4.5m <sup>2</sup>	<b>1 L</b> = 9m <sup>2</sup>	<b>5 L</b> = 45 m <sup>2</sup>
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### SURFACE PREPARATION

- Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, algae, fungi, lichens, 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 afterwards 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.
- Apply *Duram NS5 Metcote Etch Primer* within 12 hours of surface preparation, and immediately for coastal environments, to prevent contamination and oxidation.

**UNPAINTED SURFACES - NEW OR WEATHERED**

- **Mild steel and stainless steel:** Apply *Duram NS5 Metcote Etch Primer* direct to prepared surface.
- **Aluminium, PVC and fibreglass:** Sand with 220 grit sandpaper, dust off and wipe clean with *Duram Xylene* as per instructions.

**CHROMADEK, ZINCALUME OR ALUZINC**

- Apply *Duram NS5 Metcote Etch Primer* direct to prepared surface.

**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 *Duram NS5 Metcote Etch Primer*.

**APPLICATION**

- Stir *Duram NS5 Metcote Etch Primer* well using a flat paddle.
- Thinning is not recommended.
- Apply one coat thinly with a brush or roller using long, smooth strokes. Apply at a uniform thickness and avoid a thick coat. For air assisted spray, thin with 5 - 10% *Duram DTM Brush Cleaner* and Thinners to a viscosity of 16 - 20 seconds in a Ford #4 Viscosity Cup.
- Drying time: 1 - 2 hrs.
- For optimal protection against corrosion, apply *Duram NS4 Anti-Rust Primer* within 12 hours as per instructions, before applying the topcoat.

**CLEANING**

- *Duram DTM Brush Cleaner and Thinners* or *Duram Xylene*.

**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 water.
- Not suitable for ponding areas.
- Observe special precautions in aggressive environments such as coastal and industrial areas.
- Do not apply outside if rain is expected. Apply when ambient and surface temperatures are between 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**

- Keep out of reach of children.
- Wear protective gloves and clothing.
- 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.
- Flammable liquid and vapour. In case of fire: Use a fire extinguisher.





## SUPPORTING PRODUCTS

Duram  
NS1 Rust BusterDuram  
NS2 Galvanized Iron  
CleanerDuram  
Anti-Rust PrimerDuram  
XyleneDuram  
DTM Brush Cleaner

## 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 and 5 litre	<b>Recommended WFT</b>	100 microns
<b>No of components</b>	1	<b>Recommended DFT</b>	15 microns
<b>Colours</b>	Black & Red & Light Grey	<b>Service Temp</b>	-15°C to 220°C
<b>Viscosity</b>	40 to 45 secs FC4 at 25°C	<b>Application Temp</b>	-5°C to 50°C
<b>Touch Dry time</b>	30 minutes at 25°C	<b>Density</b>	0.89g/cm <sup>3</sup>
<b>Recoating time</b>	1 hour at 25°C	<b>Flash Point</b>	12°C
<b>Hard Dry</b>	2 hours at 25°C	<b>Shelf Life</b>	2 Years
<b>Volume Solids</b>	15%	<b>Storage</b>	Cool, dry conditions

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.

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