



# NS5 Metcote Etch Primer

Duram NS5 Metcote Etch Primer is a high adhesion metal primer with excellent etching qualities. This quality metal primer is solvent based and contains acids and adhesion promoters that etch the metal surface ensuring excellent adhesion. NS5 Metcote Etch Primer is quick drying and can be topcoated with most paints within two hours of application.

Colours: Black, Ivory, Red

### PRODUCT USES

You can use Duram NS5 Metcote Etch Primer:

- To prime a variety of metal surfaces before overcoating.
- As a primer for Duram NS8 Metal Topcoat, Duram Durabak, Duram 195 or Duram Durapond.

### ADVANTAGES

- Bonds exceptionally well to metal.
- Leaves a protective coating that bonds well with paint.
- Heat resistant up to 220°C.
- Quick drying and can be topcoated with most paints within 2 hours.
- Can be used on a wide variety of surfaces.
- Resistant to both acid and alkali.

### COVERAGE

- 8 - 10m<sup>2</sup> per litre per coat. Applied in a 1 coat application. Coverage will vary depending on the porosity of the surface.

### PREP

Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, salt, rust, mill scale, algae and grease.

- New metal:
  - Abrade surface lightly and remove any surface rust or mill scale by sanding, wire brushing, with a chipping hammer, or sandblasting (sandblasting to SA2½ with a 40 to 50 profile gives the best results).
  - Clean away sanding dust, grease and dirt with Duram NS2 Galvanized Iron Cleaner according to instructions.
  - Rinse thoroughly with water until a water break-free surface is attained and allow to dry.
- Aluminium and stainless steel:
  - Abrade surface with 220 grit waterpaper using Duram Xylene or turpentine as a lubricant. Rinse with Duram Xylene or lacquer thinners and allow to dry.

**PRIME**

- New metal, aluminium and stainless steel:
  - Stir Duram NS5 Metcote Etch Primer well.
  - Apply NS5 Metcote Etch Primer as soon as the substrate is dry.
  - Apply thinly by brush, roller or spray.
  - For conventional spray application, thin with lacquer thinners (approximately 20%) 16 - 20 secs (Ford Cup 4).
  - Allow NS5 Metcote Etch Primer to dry completely before overcoating.
  - Allow a minimum of 30 minutes to cure (at 25°C).
  - When used for exterior applications, NS5 Metcote Etch Primer must be overcoated within 3 days to prevent oxidation.
  - IMPORTANT: For optimal protection against corrosion, apply Duram NS4 Anti-Rust Coating according to instructions before applying the topcoat (especially for humid and coastal environments).

**PROTECT**

- New metal, aluminium and stainless steel:
  - Decorate and protect metal with Duram NS8 Metal Topcoat or other suitable paints.
  - NOTE: Lacquer thinners must not come into contact with Duram NS8 Metal Topcoat, Duram 195, Duram Durabak or Duram Durapond.

**CLEANING**

- Use Duram Xylene or lacquer thinners.
- WARNING: Do not use the same brush, roller or spray gun for applying Duram NS8 Metal Topcoat, Duram 195, Duram Durabak or Duram Durapond.

**IMPORTANT**

- Duram NS5 Metcote Etch Primer is not water resistant and must therefore be overcoated for all exterior applications, paying special attention to the edges. NS5 Metcote Etch Primer should not be used in areas where ponding of water is expected.
- When used for exterior applications, NS5 Metcote Etch Primer must be overcoated within 3 days to prevent oxidation.
- NS5 Metcote Etch Primer does not require thinning, but if necessary, thin with no more than 20% lacquer thinners (grade 200 or 300). Mix thoroughly.
- Keep lacquer thinners and liquid NS5 Metcote Etch Primer away from Duram Durabak, Duram 195 and Duram Durapond.

**SAFETY PRECAUTIONS**

- Wet NS5 Metcote Etch Primer is toxic and flammable. Once cured it is non-toxic, inert and harmless.
- Wear protective gloves and avoid skin contact.
- Avoid excessive inhalation.
- If NS5 Metcote Etch Primer is splashed in the eyes, wash with copious amounts of water and seek medical attention.

**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 further 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 Etch Primer: Prime metal with Duram NS5 Metcote Etch Primer, a high adhesion primer that contains acids that etch the metal surface ensuring excellent adhesion.
- NS6 Galvanized Iron Primer: Prime galvanized metal with Duram NS6 Galvanized Iron Primer for maximum adhesion.
- NS7 Heat Resistant Paint: Duram NS7 Heat Resistant Paint withstands 700°C and provides intense heat protection and an exceptionally durable and attractive finish for high heat surfaces such as fireplaces, braais, stoves and chimneys.
- 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

Pack size	500ml, 1 litre, 5 litre
No components	1
Colours	Black & Red
Viscosity	40 to 45 secs FC4 at 25°C
Touch dry time	30 minutes at 25°C
Recoating time	1 hour at 25°C
Hard dry	2 hours at 25°C
Volume Solids	15%
Recommended WFT	100 microns
Recommended DFT	15 microns
Service Temp	-15°C to 220°C
Application Temp	-5°C to 50°C
Density	0.89g/cm <sup>3</sup>
Flash Point	12°C
Shelf life	2 years
Storage	Cool, dry conditions

*Technical details above are provided in good faith. We are an ISO 9001: 2008 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.*

*Updated: June 2011 (this supercedes all previous publications)*