



# NS8 Metal Topcoat

Duram NS8 Metal Topcoat is a water-based polyurethane acrylic enamel paint for metal. This premium quality enamel combines the strength of polyurethanes and the excellent weather resistance of acrylics, drying to a non-yellowing, long-lasting hard finish. Used in conjunction with the recommended Duram NS metal coatings and primers, NS8 Metal Topcoat will protect metal surfaces from rust for years.

Colours: Black, Green, Historical, Medium Grey and White  
Gloss Level: Medium sheen

### PRODUCT USES

- Protection and decoration of interior and exterior metal surfaces.
- For new or previously painted metal surfaces.
- Topcoat for Duram NS4 Anti-Rust Coating, Duram NS5 Metcote Etch Primer and Duram NS6 Galvanized Iron Primer.

### ADVANTAGES

- Water-based enamel topcoat.
- Polyurethane enhanced resulting in a tough surface that does not chalk, crack, flake, fade or yellow over time.
- Excellent UV and weather resistance.
- Abrasion and scratch resistant.
- Resists household chemicals and stains.
- Easy application.
- Good flow and levelling.
- Non-drip.
- Excellent adhesion.
- Low odour.
- Quick drying (2 hours at 25°C).
- Easy to clean, simply use water.
- Non-flammable.
- Environmentally friendly.
- Lead-free colour formulations.

### COVERAGE

7 - 10m<sup>2</sup> per litre per coat. Applied in a 2 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, rust, salt, algae and grease.

- New metal or galvanized iron:
  - Clean away 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.
- Weathered metal:
  - Remove loose, flaking paint and rust by wire brushing, chipping or sandpapering to expose a bright metal.
  - Clean away sanding dust, grease and dirt with Duram NS2 Galvanized Iron Cleaner according to instructions.
  - Rinse thoroughly with water, especially if metal has been exposed to salty air, until a water break-free surface is attained and allow to dry.
  - Treat rusted areas with Duram NS1 Rust Buster according to instructions.
- Weathered galvanized iron:
  - Remove loose, flaking paint and rust by wire brushing, chipping or sandpapering to expose a bright metal.
  - 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:
  - Prime with Duram NS5 Metcote Etch Primer according to instructions to promote paint adhesion and allow to dry.
  - For optimum protection against corrosion, apply Duram NS4 Anti-Rust Coating according to instructions before applying the topcoat (especially for humid and coastal environments).
- Aluminium and stainless steel:
  - Prime with Duram NS5 Metcote Etch Primer according to instructions to promote paint adhesion and allow to dry.
- New or weathered galvanized iron:
  - Apply Duram NS6 Galvanized Iron Primer for maximum adhesion as soon as possible to avoid re-contamination and flash rust (within 4 hours for coastal areas and 12 hours in other areas). Allow to dry.
  - For optimum protection against corrosion, apply Duram NS4 Anti-Rust Coating according to instructions before applying the topcoat (especially for humid and coastal environments).
- Weathered metal:
  - For optimum protection against corrosion, apply Duram NS4 Anti-Rust Coating according to instructions before applying the topcoat (especially for humid and coastal environments).

## PROTECT

- New or weathered metal, galvanized iron, aluminium or stainless steel:
  - Stir Duram NS8 Metal Topcoat thoroughly.
  - Apply using a brush, roller (preferably Mohair) or spray (for spray application, thin with 10% water if required).
  - Two coats are recommended for best results.
  - Allow thorough drying between coats.

## CLEANING

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

## IMPORTANT

- Ambient and surface temperatures must be between 5°C and 35°C during application.
- Do not attempt application if rain is imminent.
- Do not apply directly to bare metal surfaces.
- Do not mix with lime wash or turpentine.

**SAFETY PRECAUTIONS**

- Duram NS8 Metal Topcoat is water-based and is generally safe to use.
- Keep out of reach of children.
- Not for internal consumption.
- Skin contact: Wash well with water.
- Eye contact: Flush immediately with fresh water for 5 minutes and contact a physician.
- Respiratory problems: Remove affected person to fresh air.

**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	1 litre, 5 litre
Type	Adhesion promoted acrylic polyurethane
No of components	1
Finish	Medium gloss
Viscosity	90 - 100 Krieb Units
Density	1,2 g/cm <sup>3</sup>
Surface dry	2 hours at 25°C
Overcoating time	6 hours at 25°C
Hard dry	12 hours plus at 25°C
Solids	Mass: 45% - 50%    Volume: 35% - 40%
Flash Point	N/A
Shelf life	18 months
Storage	Under cover in 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)*