

OptiPrime Etch

Optima Coatings OptiPrime Etch 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. OptiPrime Etch is quick drying and can be over-coated with most paints within two hours of application.

Colours: Black, Grey and Red.

PRODUCT USES

Optima Coatings OptiPrime Etch can be used to etch new metal and aid the adhesion of topcoats on metal surfaces such as aluminium and steel.

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 - 10 m² per litre per coat. Applied in a 1 coat application.
- Coverage will vary depending on the porosity of the surface.

SURFACE PREPARATION

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 Optima Coatings OptiDegreaser 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 Xylene or turpentine as a lubricant. Rinse with Xylene or lacquer thinners and allow to dry.

APPLICATION

- New metal, aluminium and stainless steel:
 - Stir Optima Coatings OptiPrime Etch well.
 - Apply OptiPrime Etch 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 OptiPrime Etch to dry completely before overcoating.
 - Allow a minimum of 30 minutes to cure (at 25°C).
 - Over-coat and protect metal with Optima Coatings OptiAlkyd TC or other suitable paints.
 - When used for exterior applications, OptiPrime Etch must be overcoated within 3 days to prevent oxidation.
 - **IMPORTANT:** For optimal protection against corrosion, apply Optima Coatings OptiPrime Alkyd according to instructions before applying the topcoat (especially for humid and coastal environments)..

CLEANING

- Use Optima Coatings Xylene or lacquer thinners.

IMPORTANT

- Optima Coatings OptiPrime Etch is not water resistant and must therefore be overcoated for all exterior applications, paying special attention to the edges. OptiPrime Etch should not be used in areas where ponding of water is expected.
- When used for exterior applications, OptiPrime Etch must be overcoated within 3 days to prevent oxidation.
- OptiPrime Etch is ready for use, but if necessary, thin with no more than 20% lacquer thinners (grade 200 or 300). Mix thoroughly.

SAFETY PRECAUTIONS

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

TECHNICAL DATA

Pack size	1 litre, 5 litre, 20 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 ³
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: September 2014 (this supercedes all previous publications)