

PROTECTIVE COATINGS

HIGH BUILD MICACEOUS IRON OXIDE

A solvent based intermediate undercoat designed to be used on ferrous metal such as structural steelwork, fire escapes, railings and gates, protecting against rust and providing a perfect base for a gloss finish. It can also be applied as a finish where a protective coating is required but aesthetics are not important.

AVAILABILITY	
Colour	Grey
Packaging	2.5L
PROPERTIES	
Suitable Surfaces	Ferrous and non-ferrous metals
Drying Time @ 20°C/65%RH	Under normal drying conditions touch dry in 4 hours and recoat after 16 hours. Allow for adequate ventilation during the drying period. At low temperatures or high humidity drying time may be extended.
Finish	Matt metallic
Composition	Pigment: Micaceous Iron Oxide, Zinc Phosphate, Aluminium and coloured extenders.
	Binder: Alkyd resins.
	Solvent: Dearomatised White Spirit.
Spreading Rate	Up to 8m ² per litre on smooth surfaces
Wet Film Thickness	125 micrometres at 8m ² per litre
Dry Film Thickness	63 micrometres at 8m ² per litre.
Volume Solids	50%.
Flash Point	40°C (closed cup)
VOC Content	EU limit value for this product (cat.A/i): 500 g/l (2010). This product contains max. 499 g/l VOC.
Limitations	Do not apply when air or substrate temperatures are likely to fall below 8°C or when the relative humidity is above 80% during application or the drying period. Note: Colder conditions will extend the drying period.
PREPARATION	
All New Metals	Lightly abrade to a bright (not polished) surface – excluding galvanised surfaces. Wash with hot water and liquid detergent solution to remove oil, grease or any other contaminants, frequently changing the water. Rinse thoroughly with clean water. Allow to dry. When dry prime with one coat of Crown Trade High Build Rust Inhibiting Metal Primer Undercoat .
Galvanised Metal	Bright galvanised surfaces should be thoroughly degreased as per new metals, then pre-treated with a T Wash. Overall blackening of the surface will confirm satisfactory surface degreasing. When dry prime with one coat of Crown Trade High Build Rust Inhibiting Metal Primer Undercoat .
Non Ferrous Metals	Prime bare metal with one coat of Crown Trade High Build Rust Inhibiting Metal Primer Undercoat .
Ferrous Metals	Remove all millscale and surface rust back to clean bright metal. Remove all residues. Prime within the working day with one coat of Crown Trade High Build Rust Inhibiting Metal Primer Undercoat

TECHNICAL DATA SHEET



Previously Decorated Surfaces	All surfaces must be suitably dry, and free from anything that will interfere with the adhesion of the materials to be applied. Remove all loose and failing or suspect paint. Feather edges of sound paint. Remove all rust. Remove all dust. Spot prime all bare metalwork with Crown Trade High Build Rust Inhibiting Metal Primer Undercoat . Wash remaining sound paint with hot water and liquid detergent solution to remove any contaminants, frequently changing the water. Wet abrade to provide a key. Rinse with clean water to remove all residues. Allow to dry. Bring forward spot primed areas required by paint system to be used.
COATING SYSTEM	Following surface preparation and priming, apply one coat of Crown Trade High Build Micaceous Iron Oxide or If desired, finish with an additional coat of Crown Trade High Build Micaceous Iron Oxide or one coat of Crown Trade High Performance Gloss For Metal in chosen colour – see separate data sheet. Note: For optimum total dry film thickness an additional coat of primer is recommended over profiled surfaces (e.g., blast cleaned or corroded). On arris edge detailing (sharp edges and bolt fixings etc) an additional (stripe) coat of Crown Trade High Build Rust Inhibiting Primer Undercoat or Crown Trade High Build Micaceous Iron Oxide is also recommended.
APPLICATION	Stir well before and during use. Apply using good quality tools – synthetic or bristle brush or medium pile roller. For airless spray dilution may be required. For further information follow the spray manufacturer's guidelines.
CLEANING	Return surplus material to container. Wash tools & equipment with a proprietary cleaner immediately after use.
STORAGE	Store upright and secure. Store in secure dry conditions inaccessible to children or animals. Containers should be kept closed during storage. Do not store below 5°C or above 40°C.
MAINTENANCE INFORMATION	Between maintenance redecoration, surfaces may be washed with a warm water and liquid detergent solution to remove surface dirt.
HEALTH AND SAFETY	Please refer to the Safety, Health and Environmental Information on the container. Take special precautions during the surface preparation of pre 1960's painted surfaces as they may contain harmful lead. For further information contact the Crown Trade Customer Relations Team. When preparing all surfaces avoid the inhalation of dust and/or metal particles. Wear a suitable facemask. Material Safety Data Sheets for this and all other Crown Paints products are freely available from the place of purchase or the address below. Do not empty into drains, watercourses or access routes to septic tanks.
GENERAL INFORMATION	Apply all products in accordance with BS 6150: Code of practice for painting of buildings and BS 8000: Part 12: Code of practice for decorative wallcoverings and painting. Every care is taken to ensure that all information provided on this Technical Data Sheet is accurate. Crown Paints is unable to guarantee results as it has no control over the conditions under which its products are applied. Before using this product please ensure you have the latest information. For help or more information contact the Crown Trade Customer Relations Team on: Tel: 0330 0240297 Fax: 0330 0240278 e-mail: info@crowntrade.co.uk website: www.crowntrade.co.uk This information is correct at date of issue November 2021



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