

Direct-to-Metal Paint Datasheet

March 2021

Primer & Topcoat

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Cemcrete **Direct-to-Metal Primer & Topcoat** is a high-performance metal primer & topcoat with anti-corrosive pigments that binds the existing rust and forms a barrier to any future rust developing while providing an attractive protective and decorative weatherproof finish.

Technical Data

Type	Water-based anti-corrosive metal primer and topcoat
Colours	Black, Green, Grey, Terracotta, White
Application temperature (ambient)	6°C to 35°C
Substrate temperature	6°C to 40°C
Protection during application	Protect from water during application and for 4 hours after application
Recoating interval	4 hours (48 hours if used as a primer for solvent based top coat)

Purpose

Suitable for domestic, industrial and automotive uses, including priming of industrial steel framing, farm implements, tanks, roofs, handrails, window and door frames.

Preparation

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

For new metal: Abrade surface lightly and remove any surface rust or mill scale by sanding, wire brushing, chipping hammer, or sandblasting, to a sound metal base. Remove resulting dust, grease and dirt.

For weathered metal: Remove loose, flaking rust and paint by wire brushing, chipping or sandpapering to a sound metal base. Treat inaccessible rust areas with rust convertor according to manufacturer's instructions. Remove sanding dust, grease and dirt with galvanized iron cleaner according to the manufacturer's 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.

For new galvanised iron: Remove protective oil, grease and dirt with galvanized iron cleaner according to the manufacturer's instructions. Rinse thoroughly with water until a water break-free surface is attained and allow to dry.

For weathered galvanised iron: Remove loose, flaking paint and rust by wire brushing, chipping or sandpapering to a sound metal. Remove dust, grease and dirt with galvanized iron cleaner according to the manufacturer's instructions. Rinse thoroughly with water until a water break-free surface is attained, and allow to dry.

Application

Stir **Cemcrete Direct-to-Metal Primer & Topcoat** well. Apply using a brush, roller or spray. For spray application, thin the paint with water by 10% to 15% and mix well. Apply **Cemcrete Direct-to-Metal Primer & Topcoat** as soon as cleaning water has dried to prevent re-contamination and oxidation. The product will neutralize flash rust.

Allow first coat to dry for 4 hours before applying a second coat. For best results always apply two coats. If used as a primer allow 4 hours before overcoating with water-based topcoat or for at least 48 hours if a solvent-based topcoat is used. Use of very strong solvent-based topcoats eg. nitro-cellulose, is not recommended. Clean hands and equipment with water while paint is still wet. Collect spills with suitable absorbent material.

Cemcrete provides a comprehensive technical service based on over 4 decades of experience in the field of surface applications and cement technology. Cemcrete believes, to the best of its knowledge, that the information contained herein is true and accurate at the date of issuance and is subject to change without prior notice. For further clarification of these instructions, contact Cemcrete.

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Storage

Store in a dry shed protected from freezing for 24 months from date of invoice. Stir well from the bottom if storage is prolonged.

Coverage

8 to 10m² per litre per coat. Applied in a two coat application. Coverage will vary depending on the porosity of the surface.

Packaging

Available in 5 litre & 20 litre containers.

Safety

Gloves, dust masks and suitable eye protection is a prerequisite to the mixing and application of **Direct-to-Metal Paint**.

- Skin contact: Wash thoroughly with soap and water
- Eye contact: Flush immediately with water for 10 to 15 minutes and contact a physician
- Respiratory problems: Remove affected person to fresh air immediately and contact a physician
- Not for internal consumption

Manufacturer's Warranty

Cemcrete warrants that the products manufactured by it shall be free from material defects and will be consistent with its normal high quality. Should any of the products be proven defective, the liability to Cemcrete shall be limited to replacement of the product ex-factory. Cemcrete makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties expressed or implied. The user shall determine the suitability of the product for his intended use and assume all risks and liability in connection therewith.

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