

Steelguard CM 4706

Single pack water borne acrylic primer

Product Data/ Application Instructions

- **Sealer coat for alkyd, unknown primers**
- **Prevents primer saponification**
- **Adhesion promoter for primed steel**

Typical Uses

Steelguard CM 4706 is an aqueous sealing compound for use as an alkali barrier on painted steel substrates of unknown specification or those not compatible with a pH of 12, prior to the application of Steelguard CM 4701, 4702, 4703 or 4704. Steelguard CM 4706 has been developed to protect priming paints, especially alkyd based paints, from saponification and breakdown of the paint film when in contact with a cementitious fire protection material

Physical Data

Appearance	matt
Colour	white
Components	1
Volume solids	27% ± 2%
Specific gravity	1.02
VOC (EC SED 1999/13/EC)...	16g/litre 15.7g/kg
Curing mechanism	air drying
Dry film thickness	25 to 50 microns
Wet film thickness	95 to 185 microns
Theoretical coverage at 50 microns dry film thickness	5.4 m ² /litre
Flash point	>100°C 212°F

Steelguard CM 4706

Surface Preparation

Ensure that the existing coating is clean, dry, sound and free from any dirt, dust or contamination immediately before coating. Any loose adherent coating should be removed back to firm edge and suitably patch repaired.

Mixing

Steelguard CM 4706 must be thoroughly stirred before use.

Application

The best possible bond is obtained when Steelguard CM 4706 is applied by brush. If applied by airless spray, it is absolutely essential to ensure that the substrate is clean, dry and free from any other dirt, dust or contamination. Steelguard CM 4706 must be fully dry before applying Steelguard CM 4701, 4702, 4703 & 4704 coatings. Normally just one coat is applied but additional coats can be applied as required, dependent on application technique. For further details on the use of this product refer to the relevant Steelguard CM product data sheet.

Before using the product, read the label on the can and consult the material safety data sheet.

Application Data

Substrate coated steel
Application method..... brush, roller, airless and conventional spray

Environmental Conditions

Ambient temperature 5 to 25°C 41 to 77°F
Surface temperature: 4°C/39°F minimum

Surface temperature must be at least 2°C/4°F above the dew point to prevent moisture condensation on the surface.

Drying times (at 20°C/68°F & 50%RH)

touch dry 1 hour
hard dry 2 to 6 hours

Overcoating time (at 20°C/68°F & 50% RH)

minimum 4 hours

NOTE : drying and curing times are dependent on air and steel temperature, relative humidity, applied film thickness, ventilation and other environmental conditions. Times are proportionally shorter at higher temperature and/or lower RH and longer at lower temperatures and/or higher RH.

Thinner do not thin

Cleaner..... warm water

Steelguard CM 4706

Shipping Data

Pack size 25 litre pails
Shipping weight approx. 30kg/25 litre
Shelf life..... 1 year from shipment date when
stored indoors in unopened,
original containers at 10 to 40°C
(50 to 104°F).

Protect from frost.

Steelguard CM 4706

Safety

Since improper use and handling can be hazardous to health and cause of fire or explosion, safety precautions included with Product Data/Application Instruction and Material Safety Data Sheet must be observed during all storage, handling, use and drying periods.

Warranty

PPG warrants its products to be free from defects in material and workmanship. PPG's sole obligations and Buyer's exclusive remedy in connection with the products shall be limited, at PPG's option, to either replacement of products not conforming this warranty or credit to Buyer's account in the invoiced amount of the non-conforming products. Any claim under this warranty must be made by Buyer to PPG in writing within five (5) days of Buyer's discovery of the claimed defect, but in no event later than the expiration of the applicable shelf life, or one year from the delivery date, whichever is earlier. Buyer's failure to notify PPG of such non-conformance as required herein shall bar Buyer from recovery under this warranty.

PPG makes no other warranties concerning the product. No other warranties, whether express, implied or statutory, such as warranties of merchantability or fitness particular purpose, shall apply. In no event shall PPG be liable for consequential or incidental damages.

Any recommendations or suggestion relating to the use of the products made by PPG, whether in its technical literature, or response to specific enquiry, or otherwise, is based on data believed to be reliable; however, the products and information are intended for use by Buyer's having requisite skill and know-how in the industry, and therefore it is Buyer to satisfy itself of the suitability of the products for its own particular use and it shall be deemed that Buyer has done so, as its sole discretion and risk. Variation in environment, changes in procedures of use, or extrapolation of data may cause unsatisfactory results.

Limitation of Liability

PPG's liability on any claim of any kind, including claims based upon PPG's negligence or strict liability, for any loss or damage arising out of, connected with, or resulting from the use of the products, shall in no case exceed the purchase price allocable to the products or part thereof which give rise to the claim. In no event shall PPG be liable for consequential or incidental damages.

Due to PPG's policy of continuous product improvement, the information contained in this Product Data/Application Instructions sheet is subject to change without notice. It is the Buyer's responsibility to check that this issue is current prior to using the product. For the most up-to-date Product Data/Application Instructions always refer to the PPG Protective & Marine Coatings website at www.ppgpmc.com

To avoid any confusion that may arise through translation into other languages, the English version of the Product Data/Application Instructions will be the governing literature and must be referred to in case of deviations with product literature in other languages.

Condition of Sale

All our transactions are subject to our Terms and Conditions of Sale.

