Introduction

The following application method statement is applicable to structural steel columns, beams, and vessel supports and shall be read in conjunction with the specific requirements of the client as detailed in the guideline specification prepared for the project. It is the responsibility of the Promat Recognised Contractor to ensure that the substrate to be treated is in a satisfactory condition.

The function of the PROMAT® PSK 101 is to provide a barrier between an incompatible substrate and Promat FENDOLITE® MII as well as an adhesion layer for the wet Promat FENDOLITE® MII to stick when sprayed.

Prior to application

- Pails of PROMAT® PSK 101 shall always be stored at temperatures above 0°C and below 45°C.
- The theoretical coverage rate of PROMAT® PSK 101 is approximately 120 m2 per 28 kg pail, but this is strongly dependent on surface finishing (rough/smooth) and application.
- Prior to the application of PROMAT® PSK 101 the applied primer must be fully cured and solvent released and have been applied strictly in accordance with the manufacturer's instructions to the specified thickness.

Application of PROMAT® PSK 101

1. Mix the contents of the pail with a clean electrical power mixer for 2 to 3 minutes.
2. Repeat the mixing approximately every hour, because the solids settle in the bottom of the pail.
3. Apply one coat of PROMAT® PSK 101 to a wet film thickness of (nominal) 183 microns (which, after drying, will correspond with 101 microns dry film thickness). Application can be done by roller (for little waste), airless spray (for fast application) or brush (for small areas, up to 1m²).
4. NOTE: Application of more than 150 microns wet film thickness may cause peeling off during curing.
5. The PROMAT® PSK 101 must be allowed to cure and dry thoroughly before proceeding with the application of the Promat FENDOLITE® MII. The rate of drying will vary with ambient conditions. High humidity and low air change will hinder film cure. Typical drying times are:
    a. touch dry: ½ - 1 hour at 20ºC and 50% RH
    b. fully dry: 2 – 6 hours at 20ºC and 50% RH

NOTES:

- *Depending on the climate and topography, the applied layer of PROMAT® PSK 101 will lose its adhesive properties within between roughly one week (hot climate) and two months (moderate climate), in which case it needs to be reapplied before spraying Promat FENDOLITE® MII.*
- *In case of pollution (dust settlement) on the surface of the applied layer of PROMAT® PSK 101, the surface needs to be washed down before application of the Promat FENDOLITE® MII.*

The information given in this Application Procedure is based on practical experience, independent and other tests and represents, in Promat's opinion, the best technical advice available. Since the products are applied under circumstances beyond our control, Promat can accept no direct or consequential liability, whether in contract or in tort, for the interpretation of such recommendations and reserves the right to modify the recommendations as necessary. Should it be unclear as to the meaning of any of the instructions given above, or if further information is required, please consult Promat.

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