Introduction

The following general application procedure is applicable to stainless steel vessel support legs and should be read in conjunction with the specific requirements of the client and / or guideline specification prepared for the project if one has been produced. Unless directed to the contrary in this proposal, Promat FENDOLITE® MII shall be mixed and applied in accordance with the current Promat FENDOLITE® MII & FENDOLITE® TG Energy Industries Application Manual.

Inspection of steel surfaces

All steel surfaces to be protected shall be in good condition, adequately protected from possible corrosion and be free from oil, grease, dirt, dust, grime or any other contaminants that may impair adhesion of the primer, PROMAT® PSK101 and Promat FENDOLITE® MII system.

Priming requirements

All surfaces to be coated should be solvent washed and primed with an etch primer.

Application of PROMAT® PSK 101

All items of steelwork to which the Promat FENDOLITE® MII system is to be applied shall be painted with one coat of PROMAT® PSK 101 at a wet film thickness of 100-150 microns (55-82 microns DFT) and allowed to cure and dry.

Initial application of Promat FENDOLITE® MII

Spray apply the first coat of Promat FENDOLITE® MII to the prepared PROMAT® PSK 101 surfaces to approximately half the specified thickness and leave with a textured finish and allow the material to take its initial set.

Installation of mesh retention system

Promat recommend the use of 50mm x 50mm PROMAT® Plastic Coated Galvanised Mesh or 50mm x 50mm x 1.4 – 1.6mm galvanised hexagonal wire mesh. Wrap a sufficient length of mesh round the leg of sufficient length and overlap by two mesh apertures and tie together using the cut ends or wire ties at 150mm centres. Repeat the process working up the leg. Each adjacent width of mesh should overlap the previous sheet by two mesh apertures and be tied together using the cut ends or wire ties at 150mm centres. Ensure that no more than three layers of mesh overlap at any one point.

Application of subsequent coat(s) of Promat FENDOLITE® MII

Apply a second coat of Promat FENDOLITE® MII to the specified thickness and level the surface with a steel trowel or darby ensuring that top surfaces are sloped to shed water. The final coat shall be at least 8mm thick to avoid cracking.

Water shedding and sealing of Promat FENDOLITE® MII / steel junctions

As noted above top surfaces shall be sloped to shed water. All terminations of Promat FENDOLITE® MII against steel must be sloped to shed water. Promat FENDOLITE® MII / steel junctions shall be sealed by cutting a 'U' shape into the material and applying a polysulphide or silicone based mastic sealer.

NOTE: Promat recommend that the mastic seal is not applied until after final surface treatment.

Final surface treatment

Promat propose that on curing and drying of the Promat FENDOLITE® MII, the surface is treated with a Promat approved topcoat paint system. The selected topcoat system must be applied strictly in accordance with the manufacturer's recommendations.

It is necessary to maintain the correct environment conditions as stipulated in our current Promat FENDOLITE® MII & Promat FENDOLITE® TG Energy Industries Application Manual immediately before, during and after the particular application.

Refer to Promat Energy Industries Data Sheet EIDS 028 for the selection of an appropriate topcoat.

NOTE: Ideally, all repair work should be carried out prior to application of the final surface treatment (refer to the current Promat FENDOLITE® MII & Promat FENDOLITE® TG Application Manual).

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.