## Introduction

The following general procedure is applicable to sphere legs with a circular cross-section, coated in Promat FENDOLITE® MII where a further layer of Promat FENDOLITE® MII is required. 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. Prior to carrying out any work the condition of the steel substrate and the existing Promat FENDOLITE® MII should be inspected, including the bonding of the existing Promat FENDOLITE® MII to the steel substrate. If necessary, repair shall be done.

## Inspection of Promat FENDOLITE® MII surfaces

All existing Promat FENDOLITE® MII surfaces to be protected shall be in good condition be free from release agents, oil, grease, dirt, dust, grime or any other contaminants. If there is any doubt as to the condition of the Promat FENDOLITE® MII then an expanded metal lath should be used – please consult Promat for further advice.

If the Promat FENDOLITE® MII has been painted than the paint should be removed using a sodablast system or similar approved. Alternatively an expanded metal lath can be used – please consult Promat for further advice.

## Installation of mesh reinforcement

Promat propose the use of PROMAT® 50mm x 50mm Plastic Coated Galvanised mesh. Wrap a sufficient length of mesh round the leg. A minimum overlap of two mesh apertures is required at all joins which should be securely tied together with galvanised wire ties or by twisting cut ends of the mesh together at 150mm centres. Pull the mesh away from the existing Promat FENDOLITE® MII surface so as for the mesh to lie substantially within the mid third thickness of the new layer of Promat FENDOLITE® MII. Biscuits may also be used on intermediate positions to stand the mesh off the existing Promat FENDOLITE® MII surface.

*NOTE: No more than three layers of mesh must overlap at any one point.*

## Application of Promat FENDOLITE® MII

Immediately prior to applying new Promat FENDOLITE® MII the existing material should be thoroughly saturated with clean drinkable quality water. Spray apply Promat FENDOLITE® MII to achieve the specified thickness. Where possible the Promat FENDOLITE® MII shall be applied as a single coat to the required thickness. Where more than one coat is required the preceding coat should be left with an as sprayed finish leaving some of the mesh reinforcement exposed. The Promat FENDOLITE® MII MUST NOT be trowelled flush with the reinforcing mesh, as this can create a plane of weakness. The final coat shall be at least 8mm thick to avoid cracking. The suggested finishing technique is to level the surface with a steel float to close down the surface.

## Water shedding

All top horizontal surfaces should be sloped to shed water.

## Promat FENDOLITE® MII / steel junctions

Promat FENDOLITE® MII / steel junctions shall be sealed by cutting a 'U' shape into the material and applying a polysulphide or silicone based mastic sealant.

*NOTE: Promat recommend that the mastic seal is not applied until after any 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.

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*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.*