Introduction

Promat FENDOLITE® MII may be applied to pipework to provide fire resistance as follows. This procedure must be read in conjunction with the Promat FENDOLITE® MII & FENDOLITE® TG Petrochemical Application Manual.

Insulation of pipework

It is proposed that pipework is insulated with mineral wool. This is to either

1. Increase its diameter in order to facilitate spray application of Promat FENDOLITE® MII,
   OR
2. Reduce the interface temperature (between Promat FENDOLITE® MII and the substrate) to approximately 50°C,
   OR
3. Allow expansion / contraction of pipe to occur without causing damage to the Promat FENDOLITE® MII.

It is acceptable on large diameter pipework operating under ambient conditions to omit the mineral wool. Promat should be consulted where this is thought to be appropriate.

Installation procedure for insulated pipework

1. Check the priming system is in a satisfactory condition.
2. Install the mineral wool in accordance with the manufacturers instruction. For recommended thicknesses please consult Promat.
3. Fit galvanised expanded metal reference BB264 to the insulated pipework and secure with 1.6mm galvanised wire ties fully in accordance with the manufacturer's instructions.
4. Spray apply half the recommended Promat FENDOLITE® MII thickness and allow the initial set to occur. Ensure surface is left textured as sprayed to allow good bonding of second coat.
5. Wrap or 50mm x 50mm x PROMAT® Plastic Coated Galvanised Mesh or 1.4 - 1.6mm galvanised hexagonal wire around the pipe, ensuring a two mesh overlap and secure to itself by bending cut ends together or the use or 1.6mm galvanised wire ties or galvanised hog rings at approximately 150mm centres.
6. Spray apply Promat FENDOLITE® MII to final required thickness and close down textured surface by trowel.
7. When the Promat FENDOLITE® MII is dry, PROMAT® TOPCOAT 200 may be applied. Refer to Energy Industries Data Sheet EIDS 030.

Installation procedure for non-insulated pipework

1. Check the priming system is in a satisfactory condition.
2. Install PROMAT® PSK101 system.
3. Spray apply half the recommended Promat FENDOLITE® MII thickness and allow the initial set to occur. Ensure surface is left textured as sprayed to allow good bonding of second coat.
4. Wrap PROMAT® Plastic Coated Galvanised Mesh or 50mm x 50mm x 1.4 - 1.6mm galvanised hexagonal wire around the pipe, ensuring a two mesh overlap and secure to itself by bending cut ends together or the use or 1.6mm galvanised wire ties or galvanised hog rings at approximately 150mm centres.
5. Spray apply Promat FENDOLITE® MII to final required thickness and close down textured surface by trowel.
6. When the Promat FENDOLITE® MII is dry, PROMAT® TOPCOAT 200 may be applied. Refer to Energy Industries Data Sheet EIDS 030.

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.