Introduction

The following application method statement is applicable to vessels insulated with foamglas 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.

For spheres and vessels, it is generally recommended to apply an expanded metal lath (EML) over the foamglas (refer to EIDS 009 for more information). Only for small surface areas (including pipes) a keycoat can be directly applied to the vapour barrier as detailed below.

The function of the keycoat is to

- protect the vapour barrier during the mesh installation
- provide a textured, strongly adhering mechanical key for subsequent coats of Promat FENDOLITE® MII.

Hand application

1. Make sure that the mixing equipment (bucket, electrical power mixer) are clean.
2. Make a 50 : 50 mix of PROMAT® SBR Bonding Latex and clean potable water.
3. Pour part of the 50:50 mix in the bucket.
4. Pour Promat FENDOLITE® MII premix in the bucket and mix for 3 minutes. If required, more 50:50 mix or more Promat FENDOLITE® MII premix may be added to form a creamy consistency that will stick to the substrate when flicked on with a trowel.
5. Flick the material onto the substrate with the back of a trowel, with sufficient force, for the splatter to give a 20-50% coverage of the background with blobs of material approximately 5mm thickness (measured from the substrate to the top of the blobs). Unless a further mix is required the equipment should be washed out immediately.
6. The keycoat must be allowed to cure and dry thoroughly before proceeding with the application of the Promat FENDOLITE® MII. Typically, the keycoat will take between 24 - 36 hours to dry depending on the environmental conditions.

Machine application

1. Make sure that the mixing and spraying equipment is clean.
2. Make a 50 : 50 mix of PROMAT® SBR Bonding Latex and clean potable water.
3. Add approximately 17 litres of the diluted PROMAT® SBR Bonding Latex to the mixer. On no account should the diluted PROMAT® SBR Bonding Latex be added to the Promat FENDOLITE® MII premix as lumps will form.

4. With the mixer running, slowly pour in the Promat FENDOLITE® MII premix. Mix the Promat FENDOLITE® MII for 3 minutes. If required more diluted PROMAT® SBR Bonding Latex may be added to form a creamy pumpable consistency and transfer to the pump.
   It is acceptable to mix double quantities (two bags, double amount of water) provided the equipment can cope with this volume of material.
5. Spray apply the PROMAT® SBR Bonding Latex / Promat FENDOLITE® MII mix at low air pressure (and throughput) to form as a "mist" coat, an as thin as possible layer with a rough sprayed texture. Unless a further mix is required the equipment should be washed out immediately.
6. The keycoat must be allowed to cure and dry thoroughly before proceeding with the application of the Promat FENDOLITE® MII. Typically, the keycoat will take between 24 - 36 hours to dry depending on the environmental conditions.

NOTE: spray application of the keycoat in warm weather is not recommended because the material will easily clog the hoses.

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.