Essential application conditions

The Promat FENDOLITE® MII system includes three key components, Promat FENDOLITE® MII, Promat® PSK 101 and Promat® TOPCOAT 200 which can only be applied under strict environmental conditions. As laid down in the individual data sheets and in the Promat FENDOLITE® MII & Promat FENDOLITE® TG Application Manual, the system should not be applied unless the following conditions are satisfied :

1. For Promat FENDOLITE® MII and Promat® PSK 101, the substrate and air temperature must be at least 4°C. Works may already start if the temperature is 2°C provided that the temperature is rising. For Promat® TOPCOAT 200 the substrate and air temperature must be at least 5°C and rising.
2. For all three products, the substrate temperature should be at least 2°C above the dew point temperature.
3. The maximum air and substrate temperature for Promat FENDOLITE® MII is 50°C, for Promat® PSK 101 is 45°C and for Promat® TOPCOAT 200 is 40°C.

Application to in-situ, external assemblies

During the winter months when these environmental conditions are not maintained it is possible to apply these materials as outlined below.

1. Sheet in the module using industrial quality sheeting.
2. Heat the environment using industrial heaters to the environmental conditions listed above.
3. Install the Promat® PSK 101 whilst maintaining the environmental conditions. The Promat® PSK 101 should be stored inside the building during the application process to prevent it from freezing.
4. Once the Promat® PSK 101 is applied the environmental conditions must be maintained for 24 hours.
5. Mesh the members using Promat® Plastic Coated Galvanised Mesh (50mm x 50mm). During the meshing process the temperature may be lowered.
6. Prior to applying the Promat FENDOLITE® MII the environmental condition should be raised to those outlined above.
7. Mix and spray apply the Promat FENDOLITE® MII within the heated environment. The temperature of the water used to mix the Promat FENDOLITE® MII should be above 4°C and may be increased up to 35 °C.
8. Maintain the environmental conditions as outlined above for a minimum period of 48 hours. After 48 hours the temperature may be lowered, but must be kept above freezing for a further period of 72 hours.
9. Promat® TOPCOAT 200 should be applied under the environmental conditions as detailed in Promat Energy Industries Data Sheet EIDS 030.

During the winter months, and particularly when the working environment is sheeted in, the Promat FENDOLITE® MII coating will retain more water than in the summer months due to the lack of an air movement, colder temperatures and more humid air conditions. This will also need to be taken into account when applying the topcoat paint system. Following application, Promat® TOPCOAT 200 must be protected from inclement weather until a completely dry film has been achieved. Refer to Energy Industries Data Sheet EIDS 030.

Full QA/QC procedures, as laid down in our current application instructions, must be implemented and recorded on each day. If any problems occur, Promat will ask to see these records prior to inspecting any work areas.

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.