Introduction

The following application method statement is applicable to structural steel columns, beams, and vessel supports painted with a compatible priming system 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.

The function of the keycoat is to provide a textured, strongly adhering mechanical key for subsequent coats of Promat FENDOLITE® MII.

Application steps (hand application for inaccessible areas)

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.
   For each 20kg bag of Promat FENDOLITE® MII 50:50 mixture:
   - PROMAT® SBR Bonding Latex(minimum 7.5 litres)
   - Clean potable water(minimum of 7.5 litres and mixed to the correct consistency)
3. Pour part of the 50:50 mix in the bucket.
4. Pour Promat FENDOLITE® MII premix in the bucket and mechanically 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.

Application steps (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.
   For each 20kg bag of Promat FENDOLITE® MII 50:50 mixture:
   - PROMAT® SBR Bonding Latex(minimum 7.5 litres)
   - Clean potable water(minimum of 7.5 litres and mixed to the correct consistency)

3. Add approximately 7.5 litres of PROMAT® SBR Bonding Latex and 7.5 litres of clean potable water. On no account should the PROMAT® SBR Bonding Latex be diluted.
4. With the mixer speed set at 35 rpm, slowly pour in the Promat FENDOLITE® MII premix. Mix the Promat FENDOLITE® MII for 3 minutes. 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.