METHOD STATEMENT

iPLUS 4S

SLATED (MINERAL) SURFACED TORCH APPLIED BITUMEN MEMBRANE

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SECTION I: Tools & General Instructions

1.0 GENERAL

1.1 This method statement covers the systematic procedures to be followed for coating application of iPlus 4S.

1.2 This Method Statement is a general application procedure and may not be applicable to all site situations Site Conditions will vary and the equipment to be used , materials and techniques need to be modified as per site situations. Please consult INNOBIT Technical Customer Services to get a specific method statement to suit the particular situation.

1.3 Please refer following documents in conjunction with this Method Statement:

- The latest Technical Data Sheet (TDS) of iPlus 4S
- Material Safety data sheet (SDS) of iPlus 4S

1.4 Membrane application should be carried out when the ambient temperature is between 10°C to +45°C.

1.5 Avoid application in extreme weather conditions like dust storm, rain or snow.

2.0 Trained Application Team

2.1 Ensure that Membrane application is done by trained applicators .Application by untrained/unskilled personnel may result in failure to achieve the desired results.

3.0 Tools & Equipment

i. PPE: Fire resistant gloves, safety glasses, overalls.

ii. Flame torch and LPG cylinder.

iii. Cutting knife.

iv. Brush /roller.

v. Steel scrapper.

vi. Cotton/cloth waste.

vii. Solvent cleaner.

viii. Measuring tape.

4.0 Material Storage

ix. Membrane rolls should be always kept in upright position and stored in a dry and shaded place especially during the hot summer months.

x. Avoid stacking of membranes on pallets to avoid causing damage to the membranes.

5.0: Application Guidelines

5.1 Surface Preparation

i. The surface shall be cleaned of all loosely adhering particles and contaminants which may affect the adhesion of the membrane. Remove all protrusions which may damage the membrane. Any dew settled, or concrete dampness should be thoroughly cleaned using a dry cloth. Repair all potholeswith a suitable and appropriate repair mortar.

ii. Prepare 25mm x 25mm angle fillets on all internal corners with a cement sand mortar which should have a 45-degree fillet. External corners shall have a 20mm chamfer.

iii. Prepare a 20mm x 20mm groove on the vertical up-stand for tucking and finishing the membrane.

5.2 Priming

iv. Apply a coat of iKote SB41 solvent-based primer on the prepared surface. Allow the primer to drybefore membrane application. This enhances the adhesion of the membrane with the substrate.

5.3 Membrane Application

5.3.1 Apply a 200mm reinforcing strip on all the internal and external corners.

5.3.2 The first and primary step prior to starting the membrane application is to align the membrane on the designated areas. Unroll the full length of the iPlus 4S Torch applied membranes and adjust the angles with the subsequent and adjacent membranes on which the overlapping will take place. The general side overlapping should be at least 5cm and the end overlapping should be at least 10cm.

5.3.4 After the membranes are aligned, the membrane will be rolled back. Start the torching process of themembrane by using propane gas fired flame to torch the underside of the membrane. As soon as the flammable film starts to melt pull the roll forward so that the melted bitumen which forms a bead starts adhering on to the concrete surface. The membrane is pulled forward using an L shaped pulling rod. The process of torching and unrolling is to be done simultaneously to ensure continuity and a proper torching of the membrane thus avoiding any over torching and subsequent damage to the polyester reinforcement carrier.

5.3.5 The seams on the overlap should be heated from the top and resealed with a trowel to ensure seamintegrity.

5.3.6 On the up stand turn the membrane and tuck it into the cut groove.

5.3.7 Carefully torch and fix the strips of iPlus 4S On Membranes to prepare the details such as corners, edges, and joints in advance.

5.3.8 The tucked in membranes in the groove are then sealed with a bitumen mastic sealant to prevent thepenetration of water. Cover the groove with suitable metal flashing sheet.

Any damage to the membrane caused due to various factors during ongoing site activities or subsequent works shall be repaired immediately to maintain the waterproofing integrity. All repair

works shall be carried out after consultation with the manufacturer or the supplier of the membrane. The damaged area should be patched with a piece of the same membrane which extends at least 2 inches fromall the sides of the puncture. The area to be repaired should be primed with the bitumen primer and allowed to dry before carrying out the patching works.

7.0 Technical Customer Service.

Please note only INNOBIT Technical Customer Services are permitted to change any of the information in this method statement or to provide any further recommendations concerning the use of this product.