METHOD STATEMENT

iSTIK™ AL

ALUMINIUM SURFACED BITUMEN MODIFIED SELF ADHESIVE MEMBRANE

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System : Metal Roof Water Proofing with iKote SB41+ iStik AL

1.0 GENERAL

This method statement covers the systematic procedures to be followed for metal roof waterproofing with

iStik AL

1.1 This Method Statement is a specific system 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 for any other specific method statements to suit the particular situations.

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

The latest Technical Data Sheet (TDS"s) of **iKote SB41& iStik AL**

Material Safety data sheet(MSDS) of **iKote SB41& iStik AL**

1.3 The performance of the system is always dependent on placing in position & proper adhesion to the substrate during the application. So the following work conditions are to be followed for the optimum adhesion and proper placement of the Product.

1.3 Store the product between 10 and 25°C in a cool, covered dry place. Protect from extreme temperatures such as frost and rain.

1.4 The tools required for placing the adhesive and aligning the product such as measuring tape, spatula and scraper shall be kept handy.

1.5 The surface shall be cleaned thoroughly of all contaminants like dust, traces of oil and grease.

2.0 Surface Preparation

The metal surfaces should be grit blasted or should be prepared with appropriate grinding tools to have a rust free surface. Any holes or broken edges should be welded and repaired

Ensure that the surface is free of standing water.

3.0 **MATERIAL**

iKote SB41+ iStik AL

4.0 **Equipment required during application**:

- Protective clothing: Gloves, face mask, overalls, and goggles.
- Blasting equipment for surface preparation.
- Measuring tape
- Strong brush or tooling scrapper / Spatula.
- Cleaning Solvent.

5.0 **APPLICATION INSTRUCTIONS:**

The application temperature should be between 10°C to 45°C

5.1 SUBSTRATE PREPARATION

5.1.1 The surface must be clean, free of rust and structurally sound. Any loose particles on the surface should be removed.

The metal surfaces shall be grit blasted or should be prepared with appropriate grinding tools to have a rust free surface. Any holes or broken edges should be welded and repaired. Ensure that sheet bolt joints are rust free and intact. Use industrial grade detergent or degreasing compounds for removing oil or grease and wax contaminants. laitance, mold, release agents, curing membranes and other contaminants must be removed from the surface by grinding or scarifying followed by vacuum cleaning.

5.1.2 Prepare the sheet to wall joints with sand preformed fillet.

5.1.3 All Upstands/ corner joints, metal sheet overlap joints should be treated with the 300mm reinforcement strip of iStik AL which is laid first. On circular areas a square piece of iStik 100AL shall be placed with the edges star cut to ensure full bonding.

5.1.4 Membrane around Pipes:
A preformed fillet (50mm x 50mm) is to be provided all around the pipe. A 300 mm wide iStik AL reinforcing strip will be laid after . The joint of the membrane with the pipe will be sealed with Bitumen rubber mastic

5.1.5 Apply primer Kote SB 41 to the prepared surface. Application of the primer can be done by a brush or roller.

5.1.6 Membrane applications can be Commenced only after the primed surface becomes touch dry.

5.1. 7 If the primed area is left open for more than 48hours, reprime the surface with another coat of primer

5.2 APPLICATION OF MEMBRANE

5.2.1 Start placing Membranes from the lower points to the higher levels. This is to ensure that the overlap edges are never against the flow or water.

5.2.3Unroll the membrane and cut it to the right size as required for the substrate. Lay the membrane on the surface and ensure that the alignments are done correctly. Peel of the first 100mm of the membrane and stick the top portion. Reroll the membrane on the core until the adhered area. Pull the release film off for a length of 20mm and press the membrane on to the surface. While pressing, care should be taken to press the center area and then push towards the sides. This method helps to avoid air entrapment and ensure better adhesion with the substrate. Adjacent rolls are laid with a side overlap of 100 mm and end overlap of 100mm. The overlaps should be pressed firmly either with a roller or cloth press for proper sealing.

5.3 PROTECTION
Provide appropriate covering on top of the membrane for protection from UV.

5.4 CLEANING
Clean all tools with a cleaning solvent immediately after use.

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.