

CORROSION ENGINEERING SPECIFICATION FOR INSTALLATION

PENNCOAT[®] 101 MEMBRANE LINING

1. SCOPE

- 1.1 This specification governs the installation of PENNCOAT 101 hot melted multi layer asphalt membrane lining system.

2. APPLICATION

- 2.1 Concrete shall be poured to proper grade and wood floated. It shall be free of high and low spots, and from pits, cavities or honeycombing. Slope shall be 1/4" to the foot (18 mm. to the meter).
- 2.2 After two weeks cure and concrete is dry to touch, apply with a stiff brush a single coat of PENNPRIME[®] 101 asphalt primer until all floor area shows black color. Allow to dry for at least 8 hours, or until it is dry (not tacky to the touch).
- 2.3. Since PENNCOAT 101 Membrane is an asphalt product, it must be heated to be applied. For best results, PENNCOAT 101 should be heated to and applied between 325°F-400°F (163°C-204°C). Lower temperatures will result in difficulty in applying. Higher temperatures can result in loss of properties.
- 2.4 Care should be used in the initial heating of a kettle containing cold solid asphalt. Apply heat slowly until the area around the heating tubes is liquid, then increase the heating rate as additional quantities of solid asphalt are added. Excessive temperatures can cause coke to form around heating tubes. This coke should be removed as soon as possible as it will serve as an insulator resulting in poor heat transfer and premature tube failure.

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- 2.5 Melt PENNCOAT 101 hot membrane and apply by squeegee (do not use mops or brushes) to a minimum thickness of 1/8" (3.2 mm.).
- 2.6 Roll into the top surface a single ply of PENNPLY® 101 asphalt impregnated glass cloth reinforcing, lapping all edges 2" (50 mm.) and smoothing out any wrinkles or bulges.
- 2.7 Apply another 1/8" (3 mm) thick coat of PENNCOAT 101 Membrane as in Paragraph 2.5, to provide a minimum over-all thickness of 1/4" (6.4 mm).
- 2.8 If so specified, a second layer of cloth and a third 1/8" (3.2 mm.) layer of asphalt shall be applied, to a minimum total thickness of 3/8" (9.5 mm).
- 2.9 Membrane shall be carried up all walls, columns and bases to a height of 2" (51 mm.) above the floor slab. For protection to pump foundations, carry membrane to full height of brickwork over vertical walls.
- 2.10 Powdered silica (325 mesh size) or mortar powder may be dusted over membrane surface to prevent sticking of workmen's shoes.
- 2.11 Step 2.8 may be omitted in floor areas but is recommended in trenches, pits, and sumps.

3. SAFETY PRECAUTIONS / DISCLAIMER

- 3.1 Read and follow the hazard information, precautions and first aid directions on the individual product labels and material safety data sheets before using. While all statements, technical information, and recommendations contained herein are based on information our company believes to be reliable, nothing contained herein shall constitute any warranty, express or implied, with respect to the products and/or services described herein and any such warranties are expressly disclaimed. We recommend that the prospective purchaser or user independently determine the suitability of our product(s) for their intended use. No statement, information or recommendation with respect to our products, whether contained herein or otherwise communicated, shall be legally binding upon us unless expressly set forth in a written agreement between us and the purchaser/user.
- 3.2 Please contact Corrosion Engineering for specific recommendations at +1-610-833-4000 or fax +1-610-833-3040.