

# WATER TANK DETAIL

## WATERPROOFING TO WATER TANK SPECIFICATION

### 1. Key Metrics:

- 1.1. Concrete floors must meet stringent quality standards, being level, smooth, and free of voids, protrusions, and cracks.
- 1.2. All falls on the substrate should have a slope of 1:80 degrees to ensure proper drainage, avoiding water ponding.

### Preparation:

- 2.1. Prior to waterproofing, all surfaces must be firm, clean, dry, sound, and smooth.
- 2.2. Remove any grease, oil, wax, curing compounds, loose material, paint, or other contaminants, and repair surface defects.
- 2.3. Conduct moisture meter and substrate surface temperature assessments before commencing any waterproofing application.

### 1. Waterproofing Membrane (3-Coat System):

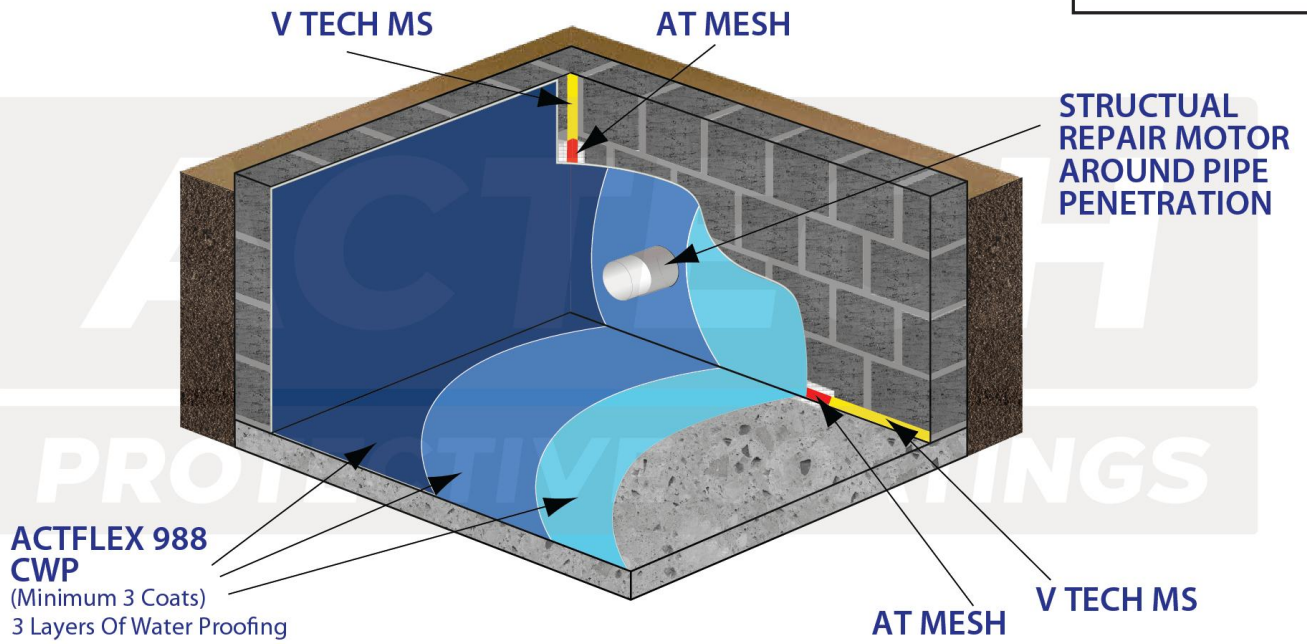
- 3.1. FIRST COAT - Dampen the surface with water before applying the first coat of ACTFLEX 988 CWP. Apply ACTFLEX 988 CWP to entire wall and floor areas of tank area. Allow 6-8 hours @ 25°C and 50% R.H. for drying before applying the second coat.
- 3.2. SECOND COAT - Apply ACTFLEX MS PRO joint sealant to all floor-wall junctions, penetrations, and fixings. Allow 30 minutes to 1 hour for tack-free time.
- 3.3. Apply one coat of ACTFLEX 988 CWP to corner junctions, extending at least 150mm on walls and 150mm on the floor. Embed the AT-MESH tape into the wet coat, ensuring a secure bond and proper detailing of corner junctions.
- 3.4. Apply the second coat of ACTFLEX 988 CWP to floor and walls of tank areas. Allow 6-8 hours @ 25°C and 50% R.H. for drying before applying the third coat.
- 3.3. THIRD COAT - Apply the final coat of ACTFLEX 988 CWP to the floor and walls, achieving a minimum dry film thickness (DFT) of 1.5mm or 1500 microns. Allow 5 days for full curing before filling the tank with water.

Always consult with a Actech Protective Coatings Representative for regulations specific to your wet areas, as they may have additional requirements for waterproofing projects.

# WATER TANK WATER PROOFING

## LEGEND

- V TECH MS
- ACTFLEX 988 CWP
- AT MESH



The provided drawings and waterproofing details are intended to serve as general guidelines. It is the responsibility of the user to ensure the correct application of the products as per the specified instructions. These details are not exact to site-specific conditions and must be thoroughly reviewed and clarified prior to installation. It is imperative that all site conditions and any potential variations are considered, and that necessary adjustments are made to suit the specific requirements of the project. Any discrepancies or uncertainties should be addressed and resolved in consultation with our technical support team to ensure proper implementation.

DETAIL NAME
DRAWING NUMBER
SIGNED BY
DATE



• PLEASE NOTE: All details and specifications must refer to data sheet.

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