ACTFLEX AT-MESH.

Technical Data Sheet | **Reinforcing Mesh for ACTFLEX 988 CWP Cementitious Waterproofing Systems** | **Issue date: 12 November 2026**

Description

ACTFLEX AT-MESH is the reinforcing mesh of the FORSPEC cementitious waterproofing system. It is embedded centrally in the wet first coat of ACTFLEX 988 CWP and fully encapsulated by the coats that follow, reinforcing the membrane at junctions, corners, penetrations and transitions and, where the three-coat system is specified, across the full membrane area.

ACTFLEX AT-MESH weighs 240 g/m² and is supplied in two roll sizes: 150 mm x 100 m for detail strips over coves, junctions and joints, and 1 m x 50 m for full-area reinforcement in below-ground, negative-side and water-retaining work.

Advantages

- Reinforces ACTFLEX 988 CWP at junctions, corners, penetrations and transitions.
- 150 mm x 100 m detail roll sits centred over a FLEXIPLUG cove inside the 988 CWP first coat.
- 1 m x 50 m roll gives full-area reinforcement for the three-coat 1.5 mm system.
- Embeds in the wet first coat - no separate adhesive or primer.
- Fully encapsulated in the membrane, with nothing left exposed.
- 240 g/m² fabric weight.

Uses

- Junction, corner and penetration detailing with ACTFLEX FLEXIPLUG coves under ACTFLEX 988 CWP (detailing Option 2 in the ACTFLEX 988 CWP TDS).
- Below-ground and negative-side waterproofing of cementitious substrates with the three-coat ACTFLEX 988 CWP system.
- PVC panel construction: junctions and PVC-to-concrete transitions on the positive side, and over interlocking joints on the negative side.
- Water-retaining structures such as pools and tanks finished with the three-coat ACTFLEX 988 CWP system - not for potable water.

Limitations

- ACTFLEX AT-MESH is a reinforcement, not a membrane. It adds no waterproofing on its own.
- Use only embedded in ACTFLEX 988 CWP, applied per the current ACTFLEX 988 CWP TDS.
- Embed only into a wet coat. Mesh laid onto a dry or cured coat will not bond.
- Never leave mesh exposed. Every strand must be fully encapsulated by the following coats.
- No wrinkles, folds or air pockets - these leave voids in the membrane.
- Overlap adjoining lengths by at least 50 mm. Never butt-join.
- Not a movement-joint detail. Use ACTFLEX FLEXIPLUG at movement areas, per the ACTFLEX 988 CWP TDS.
- Not for use in contact with potable water.
- Keep rolls clean and dry. Dust, oil or water on the mesh weakens its bond to the membrane.

System Components

ACTFLEX AT-MESH is installed as part of a complete FORSPEC cementitious waterproofing system. Approved system components:

- Membrane - ACTFLEX 988 CWP, applied per its TDS; AT-MESH is embedded in the wet first coat.
- Coves and junction detailing - ACTFLEX FLEXIPLUG, formed as a 35 mm x 35 mm cove and cured per its TDS before the mesh is laid.

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System Components (continued)

- Active water ingress - ACTFLEX HYDROPLUG, installed per its TDS before detailing.
- Primer, where required - as set out in the ACTFLEX 988 CWP TDS.

Use only the components above, applied per their current TDS, to maintain system compliance and warranty eligibility.

Compliance Status

ACTFLEX AT-MESH is a reinforcing component and is not certified to a membrane standard on its own. Compliance is established by the ACTFLEX 988 CWP system in which it is embedded, in accordance with the ACTFLEX 988 CWP Technical Data Sheet.

Technical Data

PROPERTY	VALUE	BASIS
Product type	Reinforcing mesh for ACTFLEX 988 CWP	—
Roll sizes	150 mm x 100 m; 1 m x 50 m	—
Fabric weight	240 g/m²	FORSPEC R&D to EN 12127 *
Area per roll	15 m² (150 mm roll); 50 m² (1 m roll)	Calculated from roll size
Mesh weight per roll	Approx. 3.6 kg (150 mm roll); approx. 12 kg (1 m roll)	Calculated: area × 240 g/m²
Minimum overlap	50 mm	ACTFLEX 988 CWP TDS
Embedding medium	Wet first coat of ACTFLEX 988 CWP	ACTFLEX 988 CWP TDS

* Typical value determined by FORSPEC R&D. Not to be relied upon for engineering design without written confirmation from FORSPEC Technical Services.

Coverage and Yield

ROLL	THEORETICAL	PRACTICAL (10% WASTAGE)
150 mm x 100 m	100 m of detail strip (15 m²)	90 m of detail strip (13.5 m²)
1 m x 50 m	50 m²	45 m²

Practical yield is theoretical × 0.90 (10% allowance for 50 mm overlaps, cutting and offcuts). Allow extra for heavily detailed areas with many corners and penetrations. ACTFLEX 988 CWP consumption for the three-coat 1.5 mm system is set out in the ACTFLEX 988 CWP TDS.

Surface Preparation

Prepare the substrate, stop any active water ingress with ACTFLEX HYDROPLUG and form ACTFLEX FLEXIPLUG coves at junctions, corners and penetrations, all in accordance with the ACTFLEX 988 CWP TDS. Cut the mesh to length before mixing the membrane, and keep it clean and dry until it is laid.

Application

- Detail strips: apply the first coat of ACTFLEX 988 CWP at least 100 mm either side of the cove or joint.
- While the coat is wet, lay the 150 mm ACTFLEX AT-MESH centrally over the cove or joint and press it firmly into the coat to full saturation, with no wrinkles or air pockets.
- Full-area reinforcement: apply the first coat and embed the 1 m ACTFLEX AT-MESH while wet in the same way, working in sections the coat stays wet across.
- Overlap adjoining lengths and widths by at least 50 mm.

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Application (continued)

- Fully encapsulate the mesh, then complete the remaining coats to the specified dry film thickness, with no mesh left exposed.
- Before the next coat, check the embedded mesh: press down any lifted edges, and cut out and re-lay any wrinkle or air pocket with a 50 mm overlap.
- For below-ground, negative-side and water-retaining work, complete three coats to 1.5 mm DFT in alternating directions, per the ACTFLEX 988 CWP TDS.

Drying and Cure Times

The mesh has no cure of its own: every time below is set by the ACTFLEX 988 CWP coats it is embedded in. Low temperature and high humidity extend every stage - confirm against the ACTFLEX 988 CWP TDS on site.

STAGE (AT 25°C, 50% RH)	TIME	BASIS
Embed mesh	Immediately, while the first coat is wet	ACTFLEX 988 CWP TDS
Recoat over the mesh	4-6 hours; confined areas 24 hours	ACTFLEX 988 CWP TDS
Full cure - below-ground and underground	7 days after the final coat	ACTFLEX 988 CWP TDS
Full cure - pools and tanks	10 days before filling	ACTFLEX 988 CWP TDS

Clean Up

Collect offcuts as work proceeds so loose mesh is not trodden into wet membrane. Clean tools of ACTFLEX 988 CWP per its TDS before the membrane sets; set membrane on tools can only be removed mechanically.

Container and Waste Disposal

Dispose of offcuts, roll cores and packaging as general construction waste in accordance with State and local requirements. Refer to the ACTFLEX 988 CWP SDS for disposal of membrane residues.

Quality Records

Record the AT-MESH roll size and quantity used, mesh placement and overlaps, FLEXIPLUG and HYDROPLUG detailing completed, ACTFLEX 988 CWP batch numbers, coat count and dry film thickness, recoat intervals and cure periods, the check of embedded mesh before each recoat, and photographs of the mesh in place at junctions and penetrations before it is covered, as part of the project quality assurance records.

Storage

Store rolls in their original packaging in a clean, dry, covered place, out of direct sunlight and off the ground. Keep part-used rolls wrapped so the mesh stays free of dust, oil and moisture, and store rolls so the edges are not crushed or creased.

Safety Precautions and First Aid

ACTFLEX AT-MESH is supplied as a dry reinforcing fabric. Wear gloves and eye protection when cutting and handling the mesh, and take care with blades. Keep the work area tidy - loose rolls and offcuts are a trip hazard on wet membrane. Wash hands after handling and before breaks. The membrane it is embedded in carries its own hazards - read the ACTFLEX 988 CWP Safety Data Sheet before use, available at www.forspec.com.au. First aid - Eyes: rinse with water; seek medical attention if irritation persists. Skin: wash with soap and water. POISONS INFORMATION CENTRE: 13 11 26 (Australia-wide, 24 hours). In an emergency, dial 000. KEEP OUT OF REACH OF CHILDREN.

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Warranty

Standard Product and Performance Warranty: Forspec Protective Coatings Pty Ltd as Trustee for Forspec Protective Coatings (ABN 11 204 033 631) warrants that ACTFLEX AT-MESH will be free from manufacturing defects and will not fail under normal usage for a period of ten (10) years from the date of purchase, when installed and used strictly in accordance with this Technical Data Sheet and Forspec's written instructions. This warranty covers the supply of the product only; it does not cover installation, application or workmanship. Remedies are limited, at Forspec's discretion, to replacement of the defective product (or defective portion) or a refund of the purchase price. The full terms, conditions and exclusions are set out in the Forspec Standard Product and Performance Warranty, available at www.forspec.com.au - key conditions include application by a suitably qualified and, where required by law, licensed applicator; use within shelf life; and installation as part of a Forspec approved system without non-approved third-party products.

Project and system warranties: extended project-specific warranties are available at the request of the applicator and must be applied for using the Forspec Warranty Request Form prior to commencement of works. Issue is subject to Forspec approval and is conditional on the use of the complete specified FORSPEC system, application in strict accordance with the current TDS by suitably qualified applicators, and completion of the project quality records described above. The warranty period and terms are as stated in the issued warranty certificate.

Claims: notify Forspec in writing within thirty (30) days of discovery of the alleged defect and within the warranty period, by post to 22/872 Canterbury Road, Roselands NSW 2196 or by email to info@forspec.com.au, including proof of purchase, installation details (date, location, installer), a description of the defect with supporting evidence, and your contact details. Forspec may inspect the site, perform testing and collect samples before determining a claim.

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Data Sheet Currency

This Technical Data Sheet (TDS) and the corresponding Safety Data Sheet (SDS) are subject to revision as necessary to ensure compliance with relevant Australian Standards and to incorporate technological advancement. Read the most current versions before use, as application and performance data may be updated. For the latest technical information, contact Forspec Protective Coatings on (02) 8021 3517 or info@forspec.com.au. The information provided is representative and does not serve as a comprehensive specification. For specific projects, consult directly with Forspec Protective Coatings for tailored specifications. This data sheet was issued on 12/11/2026 and is valid for three years from the date of issue unless superseded by a later revision - always confirm the current version at www.forspec.com.au before use.

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