



ACTFLEX 988 CWP.

Technical Data Sheet

TWO-PART FLEXIBLE CEMENTITIOUS ACRYLIC HYDRO-STATIC WATERPROOFING MEMBRANE

25/03/2026

ACTFLEX 988 CWP is a high-performance Class II waterproofing system designed for various applications, including internal and external wet areas. It is ideal for below-ground waterproofing, basements, water tanks, retaining walls (including PVC walls), swimming pools, façade protection and internal and external wet areas. With hydrostatic pressure resistance and efflorescence barrier properties, this two-part flexible cementitious acrylic polymer membrane ensures durability and reliability. Compliant with AS4858-2004 and AS4654.1:2012 standards, it offers exceptional versatility for demanding waterproofing projects.

Roller, Brush, or Spray Grade

• Colour	• Packaging (Weight) •
Khaki Green	20kg kits Consisting of 2 weighed parts. - Part A liquid & Part B Powder (1:1.5)

Advantages/Uses

- Fast drying waterproofing membrane.
- Re coat within 4-6 hours @ 25°C at 50% RH
- Meets Class II requirements for AS4654.1 and AS4858 Wet area Membranes.
- Is to be applied over cured damp surfaces.
- Withstands hydrostatic pressure
- Recoat within 4-6 hours at 25°C
- Suitable for internal and external applications
- Non-staining
- Non-flammable and non-toxic
- Compatible with most tile adhesives
- Easy water clean-up
- Can be used for internal and external use.
- Non-staining.
- Low VOC
- Compatible with most tile adhesives.
- Easy to clean-up with water.
- Below-Ground Waterproofing
- Water Tanks & Retaining Walls
- Swimming Pools
- Façade Protection
- Efflorescence Control
 - Wet Areas
 - Hydrostatic Applications
 - Can be use for Internal and external wet areas

ACTFLEX 988 CWP Properties

Form	2 Component Cementitious Powder & Liquid	Recoat Time at 25°C 50% RH.	4-6 Hours
Mixing Ratio	Part A is 1kg Liquid to Part B is 1.5kg Powder (1:1.5)		Confined underground areas require min 24 hrs
Membrane Classification	Membrane Classification Class II	Tack free time at 25°C 50% RH.	6 Hours
Colour	Khaki Green	Full cure time at 25°C 50% RH.	48 Hours at 1.2mm DFT
Solids Content	65% (+/- 2%)		Confined underground areas require min 7 days
Elongation at break	217% (+/- 5%)		Areas in permanent contact with water require 10 days +
Tensile Strength	2.31 MPa	Application Temperature	@ 25°C at 50% RH (average)
Pot Life	Approx. 2 Hours @23 °C	Shelf Life	12 months
Foot Trafficable	6-8 Hours	Shore hardness A	46A
		Hydrostatic Pressure	350KPA (3.5bar)

Preparations

- Ensure the surface is free from coatings such as paints, sealers, or primers unless required for specific treatments like salt-affected areas.
- The surface must be stable, solid, and structurally sound to support the waterproofing membrane.
- Remove all contaminants, including grease, dust, mould, loose particles, flaking material, and any friable substances that could compromise adhesion.

- Eliminate any salt and efflorescence present on the surface to prevent adhesion issues.
- Cement screed must be solid, level, and free of voids, protrusions, and cracks before applying the membrane.
- Newly poured concrete must be cured for at least 7 days as per AS 3958.1-2007 guidelines.
- Rendered surfaces require a minimum curing time of 7 days, depending on thickness.
- Cement screed must have a smooth wood trowel finish and dry for at least 48 hours, up to 5 days, depending on thickness and temperature conditions.

- Concrete damage between 2mm and 30mm should be repaired using ACTFLEX POLYCRETE.
- Spalling concrete must be treated with FORSPEC Concrete Repair products such as PROBOND II00.
- Refer to the relevant product data sheets for specific repair instructions before proceeding.
- Once the surface is fully prepared and meets the required conditions, ACTFLEX 988 CWP can be applied according to the recommended application process.

Primer

- In most cases, ACTFLEX 988 CWP is a primer less application with self-priming capabilities. However, if the concrete is dense or rough, it is recommended to apply a sacrificial coat by adding 10% water to the mixed product. This will help the product penetrate the substrate and reduce unforeseen dust. Allow the sacrificial coat to dry for at least 1 hour at 25°C and 50% humidity before applying the next coats. If applying two coats, apply the second coat perpendicular to the first for optimal coverage.
- If a primer is needed, use ACTFLEX EP 250 for better adhesion on burnished concrete, extremely rough concrete, or when applying to CFC sheeting or plasterboard.

Mixing and Application

Combine Part A (liquid) and Part B (powder) at a ratio of 1:1.5 by weight.

Pre-mix Part A (liquid) on its own to ensure a uniform consistency.

Gradually add approximately half of Part B (powder) while mixing Part A, ensuring it wets out completely.

Once mixed, add the remaining Part B and continue mixing at a higher speed until a smooth, lump-free consistency is achieved.

Scrape the sides of the container to avoid dry areas and prevent aeration during mixing.

Allow the mixture to stand for 3-4 minutes, then re-mix lightly for 1 minute before applying.

Do not mix by hand; mechanical mixing is required.

The pot life of the mixed material is approximately 2 hours at 23°C with 50% relative humidity.

Detailing

Option 1: The surface should be clean, dry, and free of dust, grease, and loose particles.

- Application to Floor Joints: For **ACTFLEX SA TAPE** (self-adhesive), peel off the release paper and place the tape over the floor joints. For FORSPEC Non-Self-Adhesive Tapes (e.g., **ACTFLEX FLEXTAPE**), apply a coat of ACTFLEX 988 CWP on the floor joints, then embed the tape into the wet coat, ensuring there are no bubbles or wrinkles. Press firmly using a roller and overlap tape ends by at least 50mm.
- Application to Wall/Floor Joints: For ACTFLEX SA TAPE, peel off the release paper and position the tape at the wall/floor junction, ensuring 50mm coverage on both the floor and wall. For non-self-adhesive tapes, apply ACTFLEX 988 CWP to the junction before placing the tape into the wet coat. Ensure all edges are sealed and overlap the tape by 50mm.
- Application Around Penetrations: For ACTFLEX SA TAPE, peel off the release paper and wrap it around pipes or drains. For other tapes, apply ACTFLEX 988 CWP around the penetration and press the tape into the wet coat.

- Ensure full adhesion and overlap by 50mm if needed.

Types of FORSPEC Reinforcement Tape Systems:

- **SUPERFLEX Joint Tape**
- **ACTFLEX FLEXTAPE**
- **ACTFLEX MESHTAPE**
- **ACTFLEX SA TAPE**
- Final Checks: Ensure all tape edges are fully adhered. Follow Australian Waterproofing Standards for bond-breaking methods and apply ACTFLEX 988 CWP membrane afterward.
- **Option 2:** ACTFLEX 988 CWP with a Joint Fillet - ACTFLEX MS PRO
Before applying ACTFLEX MS PRO, first apply one coat of ACTFLEX 988 CWP to the surface and allow it to dry. Then, apply a bead of ACTFLEX MS PRO sealant around all critical areas, including drains, penetrations, floor-to-wall junctions, wall-to-wall junctions, and joints, before proceeding with the application of ACTFLEX 988 CWP.
- The joint fillet size for ACTFLEX MS PRO is a 35mm x 35mm cove for all wet areas. After applying the sealant,

ensure it is smoothly tooled over all junctions for a seamless finish.

If additional reinforcement is required for tanking areas, pools, or areas with movement, first apply the ACTFLEX MS PRO joint fillet. Then, apply one coat of ACTFLEX 988 CWP over the joint fillet, extending 200mm in width. While the coat is still wet, embed the FORSPEC Bandage System (non-adhesive), ensuring there are no bubbles or creases.

For areas with movement, install the FORSPEC Bandage System over the ACTFLEX MS PRO before applying the first coat of ACTFLEX 988 CWP. While the first coat is still wet, centrally embed the FORSPEC reinforcement system, ensuring a smooth, crease-free application. Apply a second coat of ACTFLEX 988 CWP to fully encapsulate the reinforcement. Allow it to dry before applying ACTFLEX 988 CWP to the remaining surfaces.

PVC Panels

- **Surface Preparation:** Sand the PVC panels to promote adhesion. Clean thoroughly to remove dirt, dust, and contaminants. Ensure the surface is clean, dry, and free from residue.
- **First Coat:** Apply the first coat of **ACTFLEX 988 CWP** and allow it to dry completely at 25°C and 50% relative humidity
- **Joint Treatment:** For panel joints and corner junctions, choose one of the following:
 - Apply a bead of **ACTFLEX MS PRO (POSITIVE SIDE ONLY)** sealant and allow it to dry.
 - Or use **ACTFLEX SA TAPE**, securely roll it onto the joints and corner junctions
- **Second Coat:** After joint treatment, apply the second coat of **ACTFLEX 988 CWP** and let it cure thoroughly.
- This step-by-step process ensures a durable, flexible waterproofing bond between PVC panel sheets.
- ACTFLEX 988 CWP requires a **minimum of two coats**, applied using a **roller and brush**. Allow **4-6 hours** between coats for recoating. Each coat should be applied **in opposite directions** to ensure **optimal consistency and thickness quality**.

Water Holding Facilities or Constant Water Contact Applications

ACTFLEX 988 CWP – Water Holding Facilities and Swimming Pool Applications with Constant Water Contact: 3-Coat System

Surface Preparation: Thoroughly clean all surfaces, removing dirt, dust, efflorescence, and contaminants. Ensure the surface is sound, clean, and dry with no residue.

Apply one coat of ACTFLEX 988 CWP or a sacrificial coat ACTFLEX 988 CWP, depending on the surface condition, to ensure proper adhesion and penetration.

Apply a 35mm x 35mm bond breaker bead of ACTFLEX MS PRO to all corner junctions, wall-floor junctions, and any penetrations such as pipe or drain outlets.

Once the bond breaker is applied, immediately apply a wet coat of ACTFLEX 988 CWP over the bond breaker.

While the coat is still wet, embed FORSPEC REINFORCEMENT SYSTEM tape into the corner junctions, ensuring no bubbles or wrinkles for a secure, long-lasting bond. **Second Coat:**

Apply the second coat of ACTFLEX 988 CWP to all remaining surfaces and allow it to dry thoroughly.

Third Coat: Apply a third coat of ACTFLEX 988 CWP and allow it to cure for a minimum of 10 days before filling the tank or pool.

Crack Preparation

Surface Cleaning:

- Remove all loose debris, dirt, dust, curing compounds, oils, grease, surface sealers, existing coatings, and any other contaminants from the crack area. Allow any pre-treated cracks to fully cure before applying FORSPEC materials.

Static Cracks < 2.0mm (Using FORSPEC SA Tape):

- Apply a suitable FORSPEC primer 200mm across and along the crack.
- Once the primer has dried, centrally place **FORSPEC SA Tape** over the prepared crack.
- Use the **FORSPEC Brass Roller** and **FORSPEC Small Hand Roller** to ensure uniform adhesion to the substrate and remove any air bubbles or wrinkles.
- Apply two coats of **ACTFLEX 988 CWP** to encapsulate the tape, ensuring the overlap of tape sections is at least 50mm.

Static Cracks > 2.0mm (Using ACTFLEX MS PRO):

- Grind out the crack to a minimum width of 6mm and depth of 6mm.
- Use ACTFLEX MS PRO joint sealant into the prepared reglet
- Tool the sealant flush with the surface, then cover with a suitable bond breaker tape.
- Apply two coats of **ACTFLEX 988 CWP** once the sealant has dried for at least 1-2 hours.
- For cracks requiring enhanced shear strength and durability, consider additional crack rectification methods:
 - **PROBOND II00PS**
 - **PROBOND II00**
 - **CRACK PRO 1200PS**
 - **CRACK LOCK E400L**

Follow the product data sheets for each method, available at www.forspec.com.au.

Coverage, Drying, and Curing

Coverage, Drying, and Curing Rates:

- The coverage, drying, and curing times provided are indicative only and may vary depending on surface porosity, substrate profile, ambient temperature, humidity, ventilation, application method, and film build.
- ACTFLEX 988 CWP is a minimum **2-coat system** for standard wet area applications. For below-ground applications, water-retaining structures, and areas subject to water exposure or hydrostatic pressure, a minimum **3-coat system** is recommended.
- To achieve a total **Dry Film Thickness (DFT)** of **1.2mm**, the required total **Wet Film Thickness (WFT)** is approximately **1.85mm**, based on a solids content of **65%**. At a total DFT of **1.2mm**, a **20kg kit** of ACTFLEX 988 CWP will cover approximately **8–10m²**, depending on substrate condition and application losses.
- For an 20kg kit, the coverage rate is: Coverage per liter: Approx. 0.54m²/liter based on the total dry film thickness of 1.2mm (This 0.54 is that right does not account for wastage).

Wet Film Thickness (WFT) per Coat:

To achieve the desired total dry film thickness (DFT) of 1.2mm, the Wet Film Thickness (WFT) for each coat should be:

- 1st coat WFT: 0.92mm
 - 2nd coat WFT: 0.92mm
- Re-coat and Cure Times:
- Re-coat Time: 4-6 hours at 25°C and 50% relative humidity.

Complete Cure Time:

- Light foot traffic / tiling: **6–8 hours** at 25°C and 50% RH
- Standard full cure: **minimum 48 hours**
- Confined or poorly ventilated areas: **minimum 7 days**
- Permanent water immersion / water-retaining structures: **minimum 10 days** before exposure

In confined areas such as basements, tanks, or areas with limited airflow, curing times may be extended. Adequate ventilation must be provided to ensure proper curing.

Application Rates

	DFT RATE	Number of Coats	Recoat Time at 25°C 50%RH	Full Cure Time at 25°C 50%RH
Wet Areas	1.2mm or 1200 microns	2	4-6 Hours	2 Days After Final Coat
PVC Panel	1.2mm or 1200 microns	2	4-6 Hours	3 Days After Final Coat
Underground	1.5mm or 1500 microns	3	24 Hours	7 Days After Final Coat
Permanent Contact with Water	1.5mm or 1500 microns	3	24 Hours	10 Days after Final Coat

Limitations

Do not apply **ACTFLEX 988 CWP** if the ambient or substrate temperature is below 10°C or above 35°C. The product should not be diluted with solvent or water, and it must not be applied if rain is imminent. **ACTFLEX 988 CWP** must be recoated, tiled, screeded, or have pavers/decking applied within 5 days of application. If exposed for longer, the surface may need to be cleaned with a mild detergent and water and allowed to fully dry before further applications.

ACTFLEX 988 CWP is not designed as a stand-alone UV-exposed or permanent trafficable membrane. Always use appropriate personal protective equipment (PPE) before performing any installation or finishing methods. Ensure you consult the Safety Data Sheets from the substrate manufacturers to mitigate any potential risks.

Safety – When Handling Do Not Eat, Drink or Smoke

Part A - Liquid Component

May cause an allergic skin reaction. Harmful to aquatic life with long-lasting effects. Wear protective gloves, protective clothing, eye protection, and face protection. Avoid breathing mist, vapors, or spray. Prevent release into the environment. Contaminated work clothing should not leave the workplace. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs, seek medical advice/attention. Dispose of contents/container at an authorized hazardous or special waste collection point in accordance with local regulations.

Part B - Powder Component

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye damage. May cause respiratory irritation. May cause cancer. Causes damage to organs through prolonged and repeated exposure. Wear protective gloves, protective clothing, eye protection, and face protection. Use personal protective equipment as required. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. IF exposed or concerned: Get medical advice/attention. Immediately call a POISON CENTER or doctor/physician.

ACTFLEX 988 CWP is hazardous and may cause skin and/or eye irritations. The powder contains cement, and until fully wet, inhalation of powder dust should be avoided. Always use in a well-ventilated area and wear Personal Protective Equipment (PPE), including gloves, safety boots, and protective eyewear (to protect against splashes). Breathing respirators should be worn at all times. Wash hands immediately after use and before breaks. Change soiled work clothes and wash hands before breaks and after finishing work. Do not allow clothing wet with material to stay in contact with skin.

KEEP OUT OF REACH OF CHILDREN. In case of eye contact, rinse with plenty of water. If inhaled, move to fresh air. If swallowed (do NOT induce vomiting), immediately contact a doctor or the Poisons Information Centre (AUS: 131 126, NZ: 0800 764 766). In case of a transport emergency, dial 000 – Police/Fire Brigade. Please observe all local regulations and health and safety advice on packaging labels. For more information, download the SDS from www.forspec.com.au.

Clean Up

- Wash all equipment in soapy water immediately after use. Avoid spillage as it is difficult to remove entirely from porous surfaces.
- DO NOT discharge into sewer or waterways
- DO NOT allow wash water from cleaning or process equipment to enter drains.

Storage

- 12 months when stored in the original, unopened packaging in a cool dry place 10-22°C & 50% RH.
- Do not use if bags are damaged.
- Keep containers in a well-ventilated place, away from sunlight, moisture and tightly closed

Data Sheet

This Technical Data Sheet (TDS) and Material Safety Data Sheet (SDS) are subject to revision as necessary to ensure compliance with relevant Australian Standards and incorporate technological advancements. It is crucial to read the most current versions of the SDS and TDS before use, as application and performance data may be updated. For the latest technical information, please contact Forspec Protective Coatings at (02) 8021 3517 or email info@forspec.com.au to request a copy. The information provided is representative but does not serve as a comprehensive specification. For specific projects, we recommend consulting directly with the company for tailored specifications.

Conditions of Use, Product Disclaimer, and Statement of Responsibility

The information provided is given in good faith and, to the best of our knowledge, is true and accurate at the time of printing. However, as the information is of a general nature, no assumption can be made regarding the suitability of a product for any specific use or application. Forspec Protective Coatings makes no warranty, either expressed or implied, regarding the accuracy, reliability, or completeness of this information, other than those required by Commonwealth or State legislation. We reserve the right to update or modify the information without prior notice, reflecting our ongoing research and development program. It is the responsibility of the customer or contractor to ensure the suitability of our products for their intended use and to verify compliance with relevant Australian Standards. The customer is responsible for ensuring that our products are used, handled, and applied correctly and in accordance with applicable regulations and standards. Our instructions and recommendations are for the intended users only. Any advice, recommendation, information, assistance, or service provided by Forspec Protective Coatings regarding its products or their use is given in good faith. However, Forspec Protective Coatings assumes no responsibility or liability for any actions or outcomes arising from the use of the products. To the fullest extent permitted by law, Forspec Protective Coatings' liability is limited, at its discretion, to replacing or refunding the purchase price of the products supplied. Forspec Protective Coatings does not exclude rights and remedies that cannot be excluded by law, such as those under the Consumer Guarantees Act 1993. Under no circumstances will Forspec Protective Coatings be liable for any loss, whether consequential or otherwise, arising from the use of its products.



Your Trusted Partner.

