F.i. WPM C3 is a water-based, elastomeric, fibre-reinforced waterproofing membrane designed for internal under tile wet area applications.
The system forms a seamless, flexible waterproof barrier and provides crack-bridging protection for non-structural movement in compliant substrates.
The membrane is applied as a minimum two-coat system and is compatible with polymer-modified tile adhesives.

FEATURES & BENEFITS

- Class III waterproof membrane
- Excellent crack-bridging capability
- High elongation
- Flexible and elastomeric
- Seamless, monolithic application
- Suitable for internal and external wet areas
- Low VOC / water-based formulation
- Fibre reinforced
- Quick drying and recoat times
- Compatible with tile adhesives and toppings
- Compliant with relevant Australian and international standards

TYPICAL USES

- Showers and bathrooms
- Laundries and toilets
- Commercial wet areas
- Kitchens
- Balconies and decks*
- Podiums and terraces*
- General under-tile waterproofing applications

Not intended as an exposed or trafficable membrane.
*External installations must be tiled within 28 days

SUITABLE SUBSTRATES

- Concrete – cured for minimum 28 days
- Cement screed & render -cured for minimum 7 days
- Concrete Block and Brick Masonry
- Fibre Cement sheet
- Moisture resistant Gypsum Plaster Board
- Exterior Decks* - Contact Fliese Imports

Substrates must be structurally sound and compliant with applicable building standards.

LIMITATIONS

- Not recommended for submerged applications
- Not stable to ultraviolet light for longer than 28 days
- Not to be used as a trafficable finish or wearing surface
- Not for waterproofing areas subject to rising damp or negative hydrostatic pressure, for these applications prepare with **F.i. Vapour Barrier**
- Not for covering or bridging over cold, construction, control or expansion joints
- Not to be applied below 8°C or above 35°C
- Protect from rain and moisture during curing
- Contact Fliese Imports for Technical Service

TECHNICAL PERFORMANCE

Property	Typical Performance
Classification	Class III
Elongation	≥ 300%
Tensile Strength	≥ 0.5 MPa
Crack Bridging	Up to 3 mm
Waterproofness	Pass
Water Vapour Transmission	Low
Recoat Time	4–8 hours
Flood Test	48 hours
Full Cure	Up to 7 days

Compliance Standards

- CLASS III AS/NZS 4858

INSTALLATION INSTRUCTIONS

Installation must comply with local building codes and relevant waterproofing standards.
Surface Preparation: Substrates must be structurally sound, solid, clean and free from dirt, dust, oils, laitance and any release or curing agents. Ambient and surface temperatures must be between 8°C and 35°C. Concrete substrates need to cure for a minimum 28 days and 7 days for cementitious screeds and renders. Substrates should have a moisture content of less than 10%. Mechanically prepare smooth concrete if necessary.

Priming
Priming is mandatory.

Substrate Type	Primer Required
Porous	**F.i. Primer SD**
Non-porous	**F.i. Primer NP**
Damp / High Moisture	**F.i. Vapour Barrier**

Allow primer to dry before membrane application. Consult individual data sheets.

Detailing & Bond Breakers
Movement joints must not be bridged.
Corners, junctions, joints and penetrations shall be detailed with **F.i. Band Peel & Stick butyl backing 80mm tape** or apply a 12mm fillet of **F.i. Hybrid Sealant**
For Drains and Pipe penetrations **us F.i. Band Peel & Stick Tape Seals** available in **18mm, 30mm, 42mm and 106mm** variants.

Membrane Application
Apply a minimum of 2 coats by paint brush or long nap paint roller, each coat must have a wet film thickness 0.75mm to achieve a dried film thickness on 0.45mm. 2 coats shall be no less than 0.9mm dry film thickness. Do not exceed 1.2mm thick. Each coat should be applied at 90° to previous coat. Installation shall be in accordance with the latest revision of Australian Standard AS3740 and all other local building laws.
Coverage
Approx. 1.5 L/m^2 total. 15 L pail typically covers ~10 m^2 at required thickness.

Drying & Curing

Stage	Time @ 21°C / 50% RH
Recoat	4–8 hours
Dry to touch	2–4 hours
Tile Over	24–48 hours
Flood Test	48 hours
Full Cure	Up to 7 days

Longer drying required in cool or humid conditions. Membrane typically changes to uniform solid colour when dry.

Tiling & Toppings
For the installation of tile and stable natural stone use **F.i. Diamond Commercial Adhesive**. Take care not to damage membrane during installation.
For the installation of cementitious screeds use a slurry bond coat **of F.i. Diamond Commercial Adhesive** approximately 1.5mm to 2mm thick, while the adhesive is still wet apply a cementitious screed made up by weight of 8 parts sand and 2 parts General Purpose Cement and approximately 1 part **F.i Admix +**. Consult **F.i. Admix +** Technical Data Sheet for further information.

Cleaning
Fresh **F.i. WPM C3** can be cleaned with potable water. Cured product may need to be removed by mechanical means.

STORAGE & SHELF LIFE
- Store in original unopened containers
- Protect from direct sunlight
- Store between 8°C and 35°C
- Do not freeze
- Typical shelf life: 12 months

HEALTH & SAFETY
- Use gloves and eye protection
- Avoid skin and eye contact
- Refer to **F.i. WPM C3 Safety Data Sheet** before use
- Keep out of reach of children

WARRANTY
Product is warranted against manufacturing defects when:
- Stored correctly
- Applied according to instructions
- Installed in accordance with relevant standards

Warranty does not cover:
- Incorrect substrate preparation
- Movement beyond system capability
- Improper installation
- Conditions outside manufacturer guidelines

Consult Fliese Imports for latest warranty information.