



Ezi INNOVATIVE BUILDING SOLUTIONS

5.2 EziWP SLURRY C177

SEMI-FLEXIBLE LATEX FORTIFIED
CEMENTITIOUS WATERPROOFING



PRODUCT INFORMATION

Product name	:	EziWP Slurry C177
Packing	:	Part A-Powder (15kg) / Part B-Liquid (6 kg)
Shelf life	:	Part A-Powder - 12 months (Stitch Bag) Part B-Liquid - 12 months
Storage condition	:	Store in cool & dry condition
Appearance	:	Part A-Powder - Grey Part B-Liquid - White
Base	:	Cement-Base / Water-Base
Chemical content	:	Styrene-Acrylic

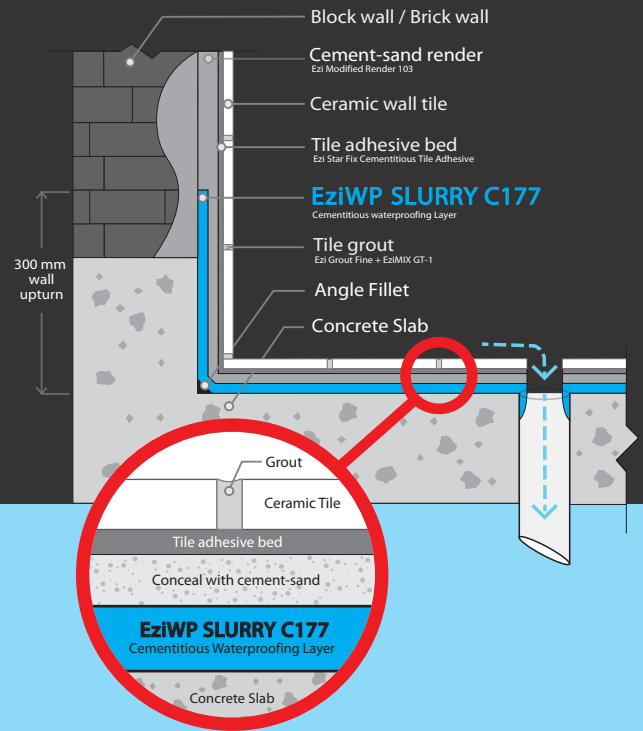
APPLICATION DATA

Mixing ratio	:	15kg Part A-Powder to 6 kg Part B-Liquid
Coverage	:	2 Coats: Approx. 6 - 7 m ² at 2mm coating thickness
Final coating thickness	:	2 Coats: Approx. 1.5 - 2.0mm
Waiting time between coats	:	Approx. 3 - 4 hours
Light Foot Traffic	:	24 hours (Preferably Longer)
Curing Time	:	24 - 48 hours
Application temperature	:	5 - 35°C
Pot Life	:	Approx. 3 hours

TECHNICAL DATA

Tensile adhesion strength <small>(28 days air dry ASTM D7234-12)</small>	:	Approx. 1.95 N/mm ²
Water Penetration	:	No water penetration at 0.2kgf/cm ² for 6 hours
Compressive Strength	:	27 N/mm ²
Flexibility	:	Good
Adhesion Performance	:	Very Good
Crack Bridging	:	No
UV Resistant	:	No
Weather Resistant	:	No
Resistant/barrier to carbonation	:	Good
Damp Resistant	:	Good

Toilet Waterproofing System



DESCRIPTION :

Ezi WP SLURRY C177 is a semi-flexible, two component, latex fortified cementitious waterproofing slurry. It affords protection to a variety of building application with excellent reduction in water penetration.

KEY FEATURES :

- Semi-Flexible
- Excellent bonding to well prepared & sound substrate
- Eco-Friendly - Low VOC & Non-Toxic
- Pre-packed Components - Avoids mixing error
- Slurry Consistency - Ease of application
- Protect against water penetration
- Protects against concrete carbonation
- Non-Corrosive

KEY USAGE :

As an under tile or render/screed waterproofing for :

- Toilet
- Bathroom
- Wet Kitchen
- Ablution
- Laundry & Drying Yard
- Refuse Chamber
- Balconies
- RC Gutter
- Planter Box
(but it is not an anti-root solution)
- Swimming Pool

WORKING INSTRUCTION :

When working with EziWP SLURRY C177 it is highly recommended to follow the application method stated below:

Surface Preparation :

- Surface must be dry, sound & free of contaminants eg. dust, laitance, oil, loose particles & friable sections.
- New concrete must be aged for at least 28 days; prior to application.
- New Cement-Sand Render or Screed must be aged for at least 7 - 14 days (preferably longer); prior to application.
- Old concrete or render / screed that is wet or damp must have minimum 24 hours air drying (preferably longer where required).
- Substrate to receive EZI WP SLURRY C177 must have sufficient gradient to avoid water ponding.
- Where substrate exhibits a high degree of water absorption it is advisable to lightly dampen the substrate with water; prior to application. This will prevent rapid loss of moisture from the waterproof coating; that may result in formation of pinholes, poor bonding, compromised integral strength and affect its final performance.

Mixing Method :

Gradually add Part A (Powder) into Part B (Liquid) as per the dosage supplied; and mix using low speed mechanical stirrer for approx. 4 - 5 minutes, until a smooth slurry consistency paste is achieved. Always mix using a clean container.

Application Method :

- For effective waterproofing results a two (2) coat application is highly recommended on the well prepared substrate.
- Apply First Coat onto the substrate in one direction; while the substrate is still lightly damp.
- Allow First Coat to achieve "Touch Dry"; usually within 3 - 4 hours (depending on nature of substrate, atmospheric & ventilation condition etc.) before application of Second Coat commences.
- The Second Coat must be applied from a right angle (or crosswise) direction onto the First Coat that has "Touch Dry".
- Ensure that Second Coat is applied to the appropriate thickness to be able to withstand potential water pressure.
- It is important that the waterproof coating is applied consistently in terms of final coating thickness that are sufficient to eliminate pinholes or voids.
- Waterproof coating applied must be seamless; and that it is applied throughout the floor areas with a minimum wall upturn of 300mm; creating a waterproofed tanking system
- Care must be taken when applying EZI WP SLURRY C177 to joints, cracks, junctions or internal or external angles as this are sections where stresses are likely to be concentrated. For internal or external angles an Angel Fillet can be incorporated using a Polyurethane Sealant or Latex Modified Cement-Sand Mortar; or reinforced using a proprietary Joint Sealing Tape. While cracks or junctions can be reinforced using fiberglass net, non-woven polyester fleece or proprietary Joint Sealing Tape ensuring there is an overlap of between 50 - 100mm at joints.
- In all cases the additional reinforcement must be applied in between the first & second coat; and it must be thoroughly covered by the waterproof coating.
- Allow the waterproof coating to undergo normal air curing for 3 - 4 days; prior to conducting a water ponding test (where required).
- Overlaying the waterproof coating with a Cement-Sand Render / Screed should ideally only commence after 1 week of curing (preferably longer).

Note : In most common application a two (2) coat application may be sufficient. However, for special condition where greater degree of waterproofing performance is required a three (3) coat application may be deemed necessary.

WORKING PRECAUTION :

- Do not apply under direct sunlight & during wet weather condition.
- While the waterproof coating is still curing; it must be protected from foot traffic & weathering condition (eg. sunlight, rain etc.). Proper shelter must be provided for exterior application.
- Defer application onto substrate that has not fully cured and / or substrates that are excessively wet.

- Avoid application on dusty or friable substrate; until it is made good.
- Do not adulterate the Part A-Powder with further amount of cement or sand; or dilute Part B-Liquid with further amount of water (unless recommended).
- Although Ezi WP SLURRY C177 is Non-Toxic; avoid inhaling dust.
- If the product comes in contact with eyes wash out with copious amount of water; and seek medical attention.
- Wear suitable gloves; as it may cause minor irritation in case of sensitive skin.

Note : Tools can be cleansed immediately after use using water. Hardened or cured materials can only be removed using mechanical means.

MATERIAL SAFETY INFORMATION

Product Name : EziWP SLURRY C177

Manufacturer :

Ezi MOTARTECH SDN. BHD. (874800-D)

Hazard Statement :

Causes skin and eyes irritation. May harmful if swallowed.

Precautionary Statement :

Wash hands thoroughly after handling. Wear suitable protective clothing, glove and eye/face protection. If inhaled, immediately approach to fresh air. If in eyes, immediately flush eyes, including under eyelids with large amount of water. If ingestion, flush out mouth with water. If skin contact, remove contaminated clothing and wash the contaminated body part with mild soap & clean water.

When working with this product, recommended to follow the safety precaution below :



WEAR DUST MASK



WEAR SAFETY GOGGLES



WEAR HAND GLOVES



WEAR SAFETY SHOES



KEEP AWAY FROM CHILDREN



Warning

COMPANY INFORMATION

MANUFACTURED BY : Ezi MOTARTECH SDN. BHD. (874800-D)

FACTORY / WAREHOUSE

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