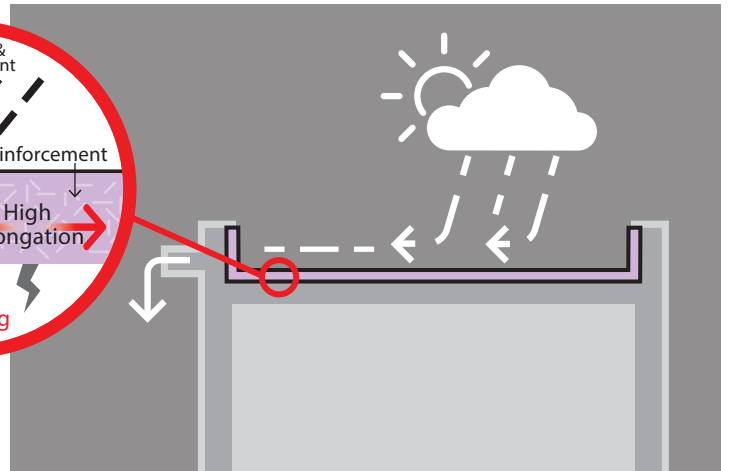
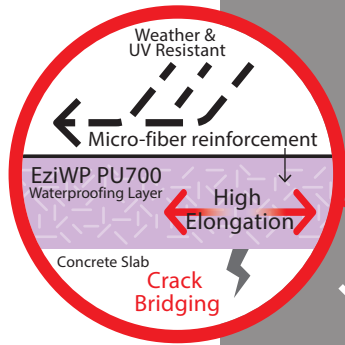




Ezi INNOVATIVE BUILDING SOLUTIONS

5.9 EziWP - PU700 FIBERLASTIC

HIGH PERFORMANCE UV-RESISTANT MICRO-FIBER REINFORCED WATERPROOF COATING



PRODUCT INFORMATION

Product name	: EziWP - PU700 FIBERLASTIC
Packing	: 5 kg and 20 kg
Shelf life	: 12 months
Storage condition	: Store in cool and dry condition
Appearance	: Grey
Base	: Water - Base
Chemical content	: Polyurethane Hybrid

APPLICATION DATA

Mixing ratio	: Use direct from the container (Note : Stir well before use)
Coverage	: Primer: Approx. 0.20 - 0.30kg/m ² per coat (Diluted with 10% Water) Approx. 0.5 - 0.6kg/m ² per coat (Recommended 2 coats)
Waiting time between coat	: First Coat to Primer: 1 - 2 hours Second Coat to First Coat: 4 - 6 hours Optional Top Coat to Reinforcement (Second Coat): 12 - 24 hours
Final Curing Time	: 2 - 4 days
Resistant to Rain	: 6 - 10 hours (Preferably longer)
Application temperature	: Substrate Temperature: 8 - 35°C Ambient Temperature: 8 - 35°C
Relative Humidity	: Maximum of 80%
Dew Point	: Surface temperature must be +3°C above dew point
Substrate Moisture Content	: <6%; No condensation or standing water on the substrate

TECHNICAL DATA

Tensile Adhesion Strength : <small>(28 days air dry ASTM D7234-12)</small>	: > 1.0 N/mm ²
Elongation at Break : <small>(28 Days Air Dry ASTM D412 - 16)</small>	: > 70%
Water Penetration	: Very low water permeability
Adhesion Performance	: Very Good
Crack Bridging	: Good
UV Resistant	: Yes
Weather Resistant	: Yes

DESCRIPTION :

EziWP PU700 FIBERLASTIC is a single component, high performance, UV-resistant, high elastic, polyurethane hybrid waterproofing solution reinforced with integral micro-fibre. Specially designed for a variety of building application to protect and prevent penetration or leakage of water; and extend service life of roof.

KEY FEATURES :

- Eco-Friendly - Low VOC & Non-Toxic
- Fortified with inherent micro-fibres for improved reinforcement
- UV-Resistant as such designed for exposed application
- Super high bond strength for improved adhesion to a variety of well prepared substrates
- Single component solution that is user-friendly & eliminate site use error
- Improved durability with modified polyurethane recipe for longer service life
- Elastic properties for superior crack bridging.

KEY USAGE:

- RC Flat Roof
- Exposed Roof
- Metal Roof
- RC Car Porch Roof
- Balconies
- Podium



For effective waterproofing results a two (2) coat application is highly recommended on the well prepared substrate.

WORKING INSTRUCTION :

When working with EziWP PU700 FIBERLASTIC 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 with Tensile Strength $\geq 1.50 \text{ N/mm}^2$.
- New cement-sand render / screed must be cured for at least 7 - 14 days.
- Old concrete and render / screed that is wet or damp must have minimum 24 hours air drying (preferably longer where required).
- Cement or mineral substrate must be mechanically prepared appropriately using abrasive blast cleaning or scarifying equipment to remove cement laitance & create an open texture.
- Loose, friable sections, blowholes or voids must be identified, removed or made good.
- Substrate to receive EziWP PU700 FIBERLASTIC must have sufficient gradient to avoid water ponding.
- Any surface protrusion that is more than 3mm must be removed or grinded off.

Note : Prior to application of EziWP PU700 FIBERLASTIC all internal corners (angles), weak points and/or joints must be treated with Angle Fillet (Polyurethane Sealant or Latex Modified Cement-Sand Mortar) or Joint Sealing Tapes; or any treatment deemed appropriate as per the manufacturer's recommendation. Kindly refer to work method statement for details.

Mixing Method :

No mixing required, however stir well before use.

Application Method :

For effective protection & waterproofing results a two (2) coat application is highly recommended on the well prepared substrate.

Typical System:

- A Primer Coat ($\sim 0.20 - 0.30 \text{ kg/m}^2$) with EziWP PU700 FIBERLASTIC + 10% Water must be applied onto the substrate.
- Apply First Coat ($\sim 0.50 - 0.60 \text{ kg/m}^2$) of EziWP PU700 FIBERLASTIC; 1 - 2 hours after primer coat treatment.
- Apply Second Coat ($\sim 0.50 - 0.60 \text{ kg/m}^2$) of EziWP PU700 FIBERLASTIC; 4 - 6 hours after First Coat treatment.
- It is important to ensure that there are no bubbles, creases or pinholes.
- At joints between application overlap EziWP PU700 FIBERLASTIC at junction with overlapping width of 80 - 100mm.
- The Second Coat must be applied from a right angle (or crosswise) direction onto the First Coat.
- 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

Optional Top Coat:

- Where required an optional reinforcing Top Coat ($\sim 0.50 - 0.60 \text{ kg/m}^2$) of EziWP PU700 FIBERLASTIC can be applied over the second coat to enhance durability; 12 - 24 hours after Second Coat treatment.
- The Final Coat must be applied from a right angle (or crosswise) direction onto the Second Coat.

Note :

- It is important to pay attention to all the details; prior to commencing application of waterproofing to the main vertical / horizontal areas as per the steps described above.
- Prior to application of subsequent layer; ensure that previous layers must be cured or tack free.
- All internal corners (angles), joints, weak points or critical areas must be treated with Angle Fillet (Polyurethane Sealant or Latex Modified Cement-Sand Mortar), Joint Sealing Tapes, Non-Woven Polyester Fleece or Fiber Mesh; or any treatment deemed appropriate as per the manufacturer's recommendation.
- The proposed waiting time between application of layers are based on 20 - 30°C at 50% relative humidity.

Tools :

Brush : Thick hair brush or Roller: Solvent resistant, short-piled lamb skin roller.

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

WORKING PRECAUTION / LIMITATION :

- Never apply on substrates with rising moisture / dampness.
- Apply during reducing ambient and substrate temperature. Application during rising temperature may result in pinholes due to rising air. Avoid application under direct sunlight & during wet weather condition.
- Temperature must not drop below 8°C and Relative Humidity must not exceed 80% until the waterproof membrane had fully cured.
- Preceding coat must be thoroughly dry & free of pinholes; before applying subsequent coats.
- Avoid water ponding between coats on any horizontal surfaces or until the final coating has totally cured. Broom or mop surface water away.
- Roofs subjected to long term water ponding and subsequent periods of frost; should not be

treated. In cold climatic zones for roofing structures with a pitch of less than 3% appropriate measures must have to be considered.

- Not suitable for direct application onto insulation boards.
- Proper shelter must be provided for exterior application; until it has fully cured.
- Not recommended for high pedestrian traffic areas. If this is unavoidable, overlay with tiles, stone slabs etc.
- Avoid application on dusty or friable substrate; until it is made good.

MATERIAL SAFETY INFORMATION

Product Name : EziWP PU700 FIBERLASTIC

Manufacturer :

Ezi MOTARTECH SDN. BHD. (874800-D)

Hazard Statement :

Causes skin and eyes irritation. May harmful if swallowed.

Warning

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

COMPANY INFORMATION

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

FACTORY / WAREHOUSE

KL : 2, Jln. Tembaga SD5/2H, Bdr Sri Damansara, 52200, KL.
PENANG : 1888, Jln. Lahar Bubu, Kepala Batas, 13200, Penang.
PERAK : PT 990, 2 1/2 KM Off, Jln Simpang Pulau Lahat, 31300 Kampung Kepayang, Perak.

SALES OFFICE

KL : Tel +603 6277 3709 Fax +603 6277 3760
PG : Tel +604 659 9917 Fax +604 658 8818
PR : Tel +605 357 5818 Fax +605 357 5818

Ezi TECHNICAL ADVIORSY CENTRE

Tel : + 6012 431 8221

E-mail : technical@ezi-fix.com

Website : www.ezi-fix.com