



Ezi SOLUTIONS TO TILE FIXING SYSTEM

5.10 Ezi PREMIUM BOND

MULTI PURPOSE BONDING AGENT, PRIMER & WATER BARRIER COAT



PRODUCT INFORMATION

Name	: Ezi Premium Bond
Packing	: 5kg & 20kg
Storage Condition	: Store in cool, dry & normal ambient condition
Shelf Life	: 12 months
Appearance (Colour)	: Pink
Base	: Water-based
Chemical Content	: Acrylic-based
Toxicity Hazard	: No
Inflammability	: No

APPLICATION DATA (Tested at approx. 25 °C)

Mixing Ratio	: No mixing required (Stir well before use)
Coverage	: Coverage is approx. 3.7 - 6.5m ² per kg; depending on substrate quality, flatness, absorption and mode of application (Recommended 1 - 2 coats)
Substrate Moisture Content	: No water or condensation on the substrate surface.
Waiting time prior to over coating or tile installation	: After 30 minutes (or upon achieving Touch Dry) or ideally within 2 days; of Ezi Premium Bond application; it is advisable to apply the overlying cement-sand rendering mortar, skim coat plaster or cement-based tile adhesive when fixing Porcelain Tiles
Humidity	: Maximum 80% RH
Application Temperature:	: >8°C to normal ambient temperature

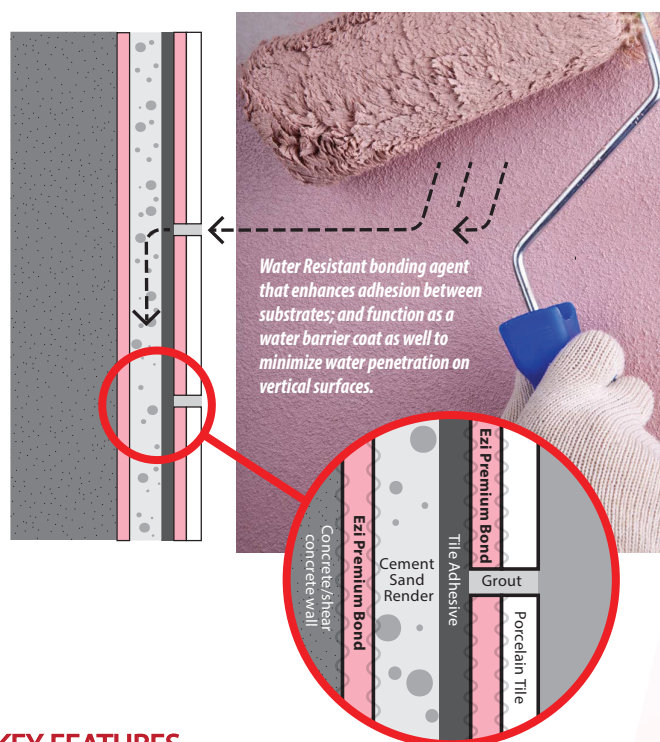
TECHNICAL DATA (Tested at approx. 25 °C)

Tensile Adhesion Strength (After 28 days Air Dry - DIN EN 1348)	: >1.00 N/mm ²
Water Absorption (After 28 days Air Dry - BS 1881-122)	: Approx. 0.2% (at 2 coats treatment)

Tested in accordance to the requirements of MS ISO 13007-1 Type C2 TE

DESCRIPTION

Ezi Premium Bond is a single-component, multi function, Acrylic-based, Water Resistant; Bonding Agent, Primer Coat, Key Coat and Water Barrier or Repellent Coating.



Water Resistant bonding agent that enhances adhesion between substrates; and function as a water barrier coat as well to minimize water penetration on vertical surfaces.

KEY FEATURES

- Eco-friendly; Low VOC & Non-toxic.
- Water Resistant.
- Improves interface adhesion through mechanical & chemical bonding attributes.
- Act as an effective water barrier (repellent) coating on vertical surfaces when appropriately applied.
- Minimizes hollowness of rendering & tile installation.
- Minimizes cracking of render or plaster.
- Single-component solution; therefore user-friendly and avoid mixing errors.

KEY USAGE

- Improves bonding of Porcelain Tiles
- Improves bonding of rendering or screeding mortar, skim coat (plastering) on shear wall or concrete substrates at internal areas.
- Primer for Cement Fiber Board; or other building boards.
- Primer for Light Weight Blocks
- Water Barrier (Repellent) Coat on Building Boards (Drywall), Block Wall, Rendered Wall & Concrete on Shower Wall Areas.

WORKING INSTRUCTION

- When working with Ezi Premium Bond it is highly recommended to follow the application method described below.

SUBSTRATE PREPARATION

- Substrate surface must be dry, sound & free of contaminants eg. grease, dust, laitance, mould release oil, loose particles & friable sections.
- New concrete must be aged for at least 28 days; prior to application of rendering mortar.
- New Cement-Sand Render or Screed must be cured for at least 7 - 21 days.
- Existing Concrete and Render or Screed that is wet or damp must have minimum 24 hours air drying (preferably longer where required).
- Loose, friable sections, blowholes or voids must be identified, removed or made good.
- Cracks or cavities must be identified and made good prior to treatment.
- Any surface protusion that is more then 3mm must be removed or grinded off.
- Substrate must be laid to fall with sufficient gradient to avoid water ponding or stagnation.

MIXING METHOD

- No mixing required; however stir well before use.

KEY USAGE

As Bonding Agent for Rendering Mortar

- Apply between 1 - 2 coats of Ezi Premium Bond using a brush or roller onto the concrete substrate.
- Ensure that the substrate is thoroughly & consistently applied and covered with Ezi Premium Bond.
- Application of overlaying coat (eg. Cement-Sand Render or Screed, Skim Coat Plaster etc.) must commence within 7 days of Ezi Premium Bond application.
- Nevertheless, for best interface bonding efficiency, it is advised that the selected overlaying coat application should commence after 30 minutes of application; or within 2 days.
- This may vary depending on the the prevailing atmospheric condition, cross ventilation & nature of the treated substrate.

As Bonding Agent for Installation of Porcelain Tiles

- Ensure that the tile back surface is dry & free of contaminants.
- Apply Ezi Premium Bond to the tile back using a brush or roller at 100 - 150g per m²
- Wait until surface of Ezi Premium Bond has achieved Touch Dry; usually within 30 minutes at room temperature; before fixing tiles (or within 2 days).
- Firmly fix & tamp tiles treated with Ezi Premium Bond onto the spread Tile Adhesive bed; followed by slight sliding action to ensure solid bed fixing & good transfer to minimize air voids or hollow sections.
- For large format tiles a thin coat of adhesive at 2 - 3mm thick should be skimmed to the tile back prior to fixing onto the spread tile adhesive bed.
- Allow the tile installation to cure for approx. 24 - 48 hours (preferably longer) before grouting of tile joint commences; using Ezi Grout Fine.

Note:

- When fixing Porcelain Tiles onto dense or smooth Shear or Concrete Wall; the substrate must also be treated with Ezi Premium Bond; prior to commencement of tile installation.

As Water Barrier (Repellent) Coat to Shower Walls

- Apply 2 coats of Ezi Premium Bond using a brush or roller onto the wall substrate.
- The second coat must always be applied in a crosswise (right angle) direction to the first coat.
- Ensure that the substrate is thoroughly & consistently applied and covered with Ezi Premium Bond.
- Ensure that Ezi Premium Bond are applied to a final coating thickness that is sufficient to eliminate any pinholes; and that it is seamless.
- Application of overlaying coat (eg. Cement-Sand Render, Tile Installation etc.) must commence within 7 days of Ezi Premium Bond application.
- Nevertheless, for best interface bonding efficiency, it is advised that the selected overlaying coat application or finishing materials, should commence after 30 minutes of application; or within 2 days.

- This may vary depending on the the prevailing atmospheric condition, cross ventilation & nature of the treated substrate.

Note

- Ezi Premium Bond is applied as a replacement to the usual waterproof coating applied to 1.5m height of shower walls.
- It is used in conjunction with EziWP Slurry C077 or EziWP Slurry C177 (depending on the type of substrate) which are applied to the shower floor & 300mm wall upturn.
- At the junction where Ezi Premium Bond abuts Ezi WP Slurry C077 or EziWP Slurry C177 wall upturn; there must be an overlap of 80 - 100mm.

COVERAGE

- Coverage is approx. 3.7 - 6.5m² per kg; depending on substrate quality, flatness, absorption and mode of application (Recommended 1 - 2 coats)

TOOLS

- Thick hair brush or solvent-resistant short piled lamb skin roller

Note

- Tools can be cleansed immediately after use with water. Hardened and cured materials can only be removed using mechanical means.

WORKING PRECAUTION / LIMITATION

- Do not apply onto substrates that are saturated with moisture.
- Temperature must not drop below 8°C and Relative Humidity must not exceed 80% until Ezi Premium Bond had fully cured.
- Avoid water ponding between coats on any horizontal surface until the final coating has fully cured. Ensure that surface water are wipe away.
- Any overlaying coat on Ezi Premium Bond must be applied within 7 days; as accumulation of dust over the Ezi Premium Bond coating may affect the bonding efficiency of the overlaying layers.
- Therefore it is best that any overlaying coat or finishing materials are applied or installed after 30 minutes (upon Touch Dry) or within 2 days to ensure optimal performance.
- Ezi Premium Bond must not be wetted during its curing. It must be protected from direct sunlight, rain & traffic during this stage.
- Avoid application on dusty or friable surface; until it is made good.

MATERIAL SAFETY INFORMATION

A non-toxic, water-based paste form product which is considered non-hazardous in normal usage. Avoid inhalation, ingestion, skin and eyes contact. For more details, please refer to Ezi Material Safety Data Sheet.

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



COMPANY INFORMATION

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

WAREHOUSE/FACORY

PENANG : 1888, Jalan Lahar Bubu, Kepala Batas, 13200, Pulau Pinang.

PERAK : PT990, 2 ½ KM Jln Off Simpang Pulaui-Lahat, 31300 Kampung Kepayang, Perak Darul Ridzuan.

SALES OFFICE

PENANG : ☎ +604-658 8817 📠 +604-658 8818

PERAK : ☎ +605-357 5818 📠 +605-357 5818

KL : ☎ +603-6277 3709 📠 +603-6272 3760

Ezi TECHNICAL ADVISORY CENTRE

☎ +6012-431 8221 📧 technical@ezi-fix.com

For more information please log on to: www.ezi-fix.com