

JURCEM[®] BONDING AGENT



裕昇界面剂

Multi-purpose Latex for enhancing bond

JURCEM BONDING AGENT is a modified synthetic latex which is used as an additive for mortar mixes to enhance its bonding to substrates, flexural strength, water resistance, wear resistance and abrasive resistance especially for thin bed applications.

It improves resistance to deterioration caused by chloride penetration through moisture, carbonation and chemical corrosion.

JURCEM BONDING AGENT is designed to improve durability.

It can be used neat, straight from the container, or it can also be added to cement or mortar to enhance its properties.

TYPICAL PROPERTIES

Appearance	Milky liquid
Density	Approx. 1.01 kg/L
Slant Shear Bond Strength, ASTM C1042:1999a	Type I (Neat) ≥ 2.8 N/mm ² Type II (Slurry) ≥ 8.7 N/mm ²
Yield	Depends on mix design. Refer to Mixing.*

* The recommended water requirement only serves as a guide and is based on ideal laboratory condition. Trial mix is required to determine the actual water dosage for individual consistency.

AREAS OF APPLICATION

- Bonding aid in concrete repair between new and existing concrete, or as a primer
- Additive for cement mortars, floor screeds, toppings, renders and in splatter dash
- Additive to cement for tile bedding
- Applicable for overhead or vertical repairs

APPLICATION METHOD

Surface Preparation

Surface to which mixes using JURCEM BONDING AGENT are to be applied should be clean and sound if proper bond of the overlay is to be achieved. All corroded reinforcing bars should be thoroughly cleaned by mechanical tools.

Mixing

Bonding Agent (Type I)

Apply neat JURCEM BONDING AGENT directly to the prepared surface allowing the latex to be absorbed.

Slurry Coat (Type II)

Cement : JURCEM BONDING AGENT = 2 : 1 (by weight)

Add cement to JURCEM BONDING AGENT and mix until it is homogenous. Use a stiff brush to apply a thick coat to the wetted surface. Application of concrete renders and mortars should take place while the bond coat is still tacky.

Coverage: Approx. 30 to 35 m² per 50 kg OPC mix.

Splatter Dash and Adhesive Mortar

	Cement	Sand	JURCEM BONDING AGENT
Splatter Dash	50 kg	100 kg	20 L
Adhesive Mortar	50 kg	50 kg	19 L

Add cement and sand to JURCEM BONDING AGENT and mix until it is homogeneous. Add water if a higher consistency is desired. Apply while the bond mix is still tacky.

Coverage of Mortar: Approx. 24 m² at 3 mm thickness.

Floor Screed, Topping and Renders

	Cement	Sand	Water	JURCEM BONDING AGENT
Floor Screed and Topping	50 kg	150 kg	10 L	10 L
Renders	50 kg	150 kg	8 L	10 L

Add cement and sand to JURCEM BONDING AGENT and water. Mix until it is of semi-cohesive consistency.

- Floor Screed and Topping
Coverage: Approx. 2 m² at 50 mm thickness
Recommended thickness: 10 to 25 mm
- Renders
Coverage: Approx. 5 m² at 20 mm thickness
Recommended thickness: 6 to 10 mm

Cleaning

Clean tools with water immediately after use. Cured materials can only be removed mechanically.

PACKAGING

20 L pail
210 L drum

SHELF LIFE

12 months if stored in original sealed packaging under dry and cool condition. Keep away from direct sun.

SAFETY PRECAUTIONS

JURCEM BONDING AGENT can cause skin irritation and respiratory reaction. Wear gloves and masks while handling the product. Wash thoroughly after handling. If contact with exposed skin, wash immediately with sap and water. If contacted with eyes, wash copiously with water and seek medical treatment. If ingested, drink a cup of water and do not induce vomiting. Consult doctor immediately.

For more detailed information, please refer to Material Safety Data Sheet.

JCL Building Materials Pte Ltd (JCL) warrants that the product conforms to its chemical and physical description and is within bounds fit for use as stated on its product data sheet when used in compliance with written instructions. JCL makes no other warranty either expressed or implied. The purchaser assumes all risks in handling.

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