

Acrylic Dispersion Adhesive for Vinly Tile or Sheet, PVC Tile or Covering, Carpet Sheet or Tile & Timber/Wood Flooring

Description **Gem Bond**, is a partially premixed ready to use, paste form, acrylic dispersion based adhesive, can be used for all grade of Vinly, PVC, Carpet sheet tiles with freshly on concrete flooring & Timber/Wood system, and excellent properties of good adhesion.

Due to its special formulation, **Gem Bond** product is based on selected high grade of Dispersion Polymer, & Rheological Additives. For better workability on all types new and existing floorings.

- Features Advantages**
- Solvent Free
 - Good Adhesion
 - Wide Ranges of Application
 - Suitable for Heated Sub-Floors
 - Resistance to Furniture Castors
 - Easy Applied

Colors Available Paste Form, Clear/Cream White

Preparation The surface of the sub-floor must be clean, sound and free from dust, plaster droppings, grease, paint, polish, and any water-soften able or loosely adhered materials. On absorbent surfaces it may be necessary to damp down, or prime the surface using the **Cem Bond Primer** and allow drying before applying the **Gem Bond** adhesive.

To level uneven sub-floors and provide a smooth surface prior to the application of Floor Coverings or Tiles or Sheets. **Cem Bond SL 30 or Cem Bond 1K (Cementitious Self-Leveling)** can be applied on all common sub-floors as concrete and cement/sand screeds, asphalt, wood, quarry tiles, internal steel decks, etc.

Application The mixed material is poured onto the prepared floor surface and spread with a special steel trowels (Serration A3 Trowel) to the required thickness in one operation. Apply at temperatures above 5°C. **Gem Bond**

Technical Data

Typical of Properties	Tested	Test Temp	Gem Bond	Gem Bond 888
Viscosity	mPas	25°C	24000-30000	18000-26000
pH-Value			6.5-7.5	6.5-7.5
Specific Density	Kg/Litre		1.25	1.25
Consumption	g/m ²		200-350	200-350
Waiting Time	Minutes		20-40	20-40
Open Time	Minutes		30-60	30-60
Set to Load Bearing	Hours		24	24
Full Strength	Hours		72	72
Moisture Resistance			Yes at 2.0% C.M tester	Yes at 2.0% C.M tester

Recommended Trowels

Serration A3 or A2 for PVC with Smooth Backing		Trowel A3	Trowel A2
Note:	Depth of Serration Trowel	: 1.65mm	1.65mm
	Width of Serration Trowel	: 1.50mm	1.80mm
	Bridge of Serration Trowel	: 0.50mm	1.20mm

Coverage	Gem Bond	4.2-5.0 m ² /kg	3.9-4.7 m ² /kg
	Gem Bond 888	4.2-5.0 m ² /kg	3.9-4.7 m ² /kg

Cleaning of Equipment All tools and mixing containers should be washed and cleaned in water immediately after use before the material sets.

Packaging Net weight 20 kg pail & 25 kg pail

Storage Shelf Life **Gem Bond & Gem Bond 888**, 12 months if stored in dry conditions.

Handling Precautions

Wash off any mortar or latex on the skin before it dries. During mixing and application ensure adequate ventilation since the latex component contains ammonia which is volatile and may cause eye watering in confined spaces. Avoid generation of airborne dust during mixing. Gem Bond powder contains more than 20% Portland cement and, therefore, in line with current legislation, is classified as irritating to eyes and skin. For this reason the following precautions should be observed:-
Avoid contact with the skin and eyes; in case of contact with the eyes, rinse immediately with plenty of water and seek medical advice; wear suitable gloves and keep the product out of the reach of children.

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Health & Safety Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LAMACO Malaysia** on request and sent with each delivery.



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