



# SUPERBOND (369)

MALAYSIA

Revision 1, February 2020

## PRODUCT DATA SHEET

Adhesive Series

### GENERAL DESCRIPTION

**QuickMix® SuperBond (369)** is a premium improved polymer-modified cementitious adhesive (C2) with slip resistant (T), extended open time (E) and deformability (S1) complied to **MS EN 12004-1: Class C2TES1** for wall and floor tiling work. It is suitable for internal and external applications over concrete, plastered or rendered surfaces and is ideal for installing ceramic, homogeneous, porcelain and mosaic tiles.



### TYPICAL USES

- Medium to large-format size ceramic, homogeneous, porcelain and mosaic tiles.
- Internal application: ≥600mm x 600mm size for floor tiling or ≥300mm x 600mm size for wall tiling.
- External application: ≥300mm x 600mm size for floor tiling or ≥300mm x 300mm size for wall tiling.
- Areas subjected to hydrostatic pressure, i.e. swimming pool.
- Areas subjected to higher risk of vibration, i.e. lift, car porch, high-rise, drywall, pre/post-tension slab, etc.
- Plastered or rendered surfaces on concrete wall, brick wall and block wall.
- Screeded surfaces on concrete floor slab.
- Tile-on-tile of existing floor application.

### ADVANTAGES

- Single-component, premixed to ensure good and consistent quality.
- Specially formulated with improved bonding strength, suit for both porous and non-porous tiles.
- Enhance with reduced slip performance, make it suitable for not only floor tiling but wall tiling as well.
- Extended open time, allow it to have for longer adjustability up to 30minutes.
- Class S1 flexibility, with excellent durability against thermal expansion and contraction, or hydrostatic pressure.
- Excellent weather resistance and durability
- Green Label certified low VOC and low toxicity adhesive.

### PRODUCT INFORMATION



Appearance	Grey
Binder	Ordinary Portland cement
Filler	Graded silica sands and Calcium Carbonate powder
Auxiliaries	Additives and flexible polymer powder
Coverage	Approx. 2.7 – 2.9 m <sup>2</sup> per bag (For tile size 600mm x 600mm at 6.0 mm thick)
Packaging	25 kg bag
Shelf Life	6 months from date of manufacture

**LAFARGE DRYMIX SDN BHD (114938-T)**

Level 13, Menara YTL, 205, Jalan Bukit Bintang, 55100 Kuala Lumpur, Malaysia.

Tel : +603-2038 0800

Website: [www.ytlcement.com](http://www.ytlcement.com)

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### TECHNICAL INFORMATION

MS EN 12004-1 : 2017 : CLASS C2TES1	
Water Powder Ratio	0.25 – 0.27
Wet Density	1800 – 1900 kg/m <sup>3</sup>
Dry Density	1600 – 1700 kg/m <sup>3</sup>
<b>Tensile Adhesion Strength – 28 days</b> (EN 1348)	
(a) Initial adhesion strength	≥ 1 N/mm <sup>2</sup>
(b) After water immersion	≥ 1 N/mm <sup>2</sup>
(c) After heat aging	≥ 1 N/mm <sup>2</sup>
<b>Slip</b> (EN 1308)	≤ 0.5mm
<b>Extended Open Time</b> (EN 1346) - Tensile adhesion strength	≥ 0.5 N/mm <sup>2</sup> after not less than 30 minutes
<b>Transverse Deformation</b> (EN 12002)	≥ 2.5mm and < 5mm
<b>Adjustability Time</b>	Up to 30 minutes
<b>Pot Life</b>	Approx. 2 hours
<b>Applicable Thickness</b>	2.5 – 10mm

Note: The values given are average figures achieved in laboratories conditions at 20°C.

### APPLICATION GUIDE

#### SURFACE PREPARATION

- All surfaces must be structurally sound, clean, free from dust, oil and any trace of foreign materials that may be affect bonding.
- Brick, block and concrete walls / floors must be allowed to cure for a minimum of 4 weeks prior to tiling.
- Cement render and screed must be allowed to cure for at least 7 days and finished to semi-smooth finish with a wood float. After curing, a thorough check on the soundness in adhesion of the screed and render should be carried out. Cracks should also be properly rectified.
- Painted surface must be roughened with a wire brush and flaking paint removed, to expose a clean and sound background suitable for direct fixing.
- The trueness of the background surface required for adhesive beds should be when checked with a 2m straightedge, any gap under the straightedge between points of contact does not exceed 3mm. When the gap exceeds 3mm, local correction of the background by dubbing out up to 6mm thick using the same adhesive can be done.

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### MIXING

- Mix one bag (25kg) of **QuickMix® SuperBond (369)** with approximately 6.5 litres of clean water.
- Mix thoroughly with an electrical mixer for 3-5 minutes until the desired homogeneous mortar is achieved.
- Allow the mixture to stand for 3-5 minutes and thoroughly re-mix before using.

### APPLICATION

- **QuickMix® SuperBond (369)** is applied to the prepared surface with a trowel and then combed through with a suitably sized notched trowel onto the surface. As a general guideline, use 6mm x 6mm notch trowel for tiles size 300mm x 300mm and below; and 10mm x 10mm notch trowel for tiles 300mm x 600mm.
- Do not spot fix or soak the tiles. Clean back of the tile with a damp cloth if it dusty.
- Only spread enough adhesive so that the tiles can be fixed within the open time. Care should be taken to spread adhesive that can be completed before the surface of adhesive begins to form a skin. After spreading the adhesive, press the tile firmly into the tile faces with a damp sponge before the adhesive sets.
- As fixing proceeds, a tile should be removed occasionally to check that the maximum possible contact is being maintained with the adhesive.
- As a general guideline, tiles size 300mm x 600mm, with high ribs, lugs, grooves or uneven back must be buttered flat or covered with 1-2mm of adhesive before placing the tiles on the combed adhesive bed on the substrate so that the voids are filled.
- For tile-on-tile of existing floor application, kindly refer to the particular method statement for more details.

### CURING AND PROTECTION

- Tiles installed with **QuickMix® SuperBond (369)** must not be subject with running water or rain for at least 24 hours.
- Grouting can be carried out with **QuickMix® Tile Grout** 24 hours after completion of tiling.
- Light pedestrian traffic is allowed 4 days after completion of tiling and grouting.
- Heavy pedestrian traffic is only permitted 14 days after completion.
- Impact vibration and hammering on adjacent and / or backside of walls are prohibited for as long as proper curing of materials requires.
- At all times, the floor and wall tiles should be kept clean and free from all materials likely to cause stains, e.g. oils, grease, paint.
- Appropriate types of sheets, boards should be laid loosely over the floor for protection.
- Access to the completed works should be restricted during the curing periods.

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### PRODUCT LIMITATIONS

- Do not use **QuickMix® SuperBond (369)**:
  - Over wood, timber, metal, steel and gypsum surface.
  - On concrete slabs subject to critical shrinkage and other movement.
  - For installation of tiles that require an adhesive thickness greater than 5mm.
  - On surface which need to be set to light foot traffic rapidly.

### PACKAGING

- **QuickMix® SuperBond (369)** is packed in 25kg bags.

### STORAGE & SHELF LIFE

- **QuickMix® SuperBond (369)** in its original packing, when stored in a sheltered dry place that is free from excessive moisture, shall have a shelf life of 6 months from its date of manufacture. Customers is encouraged to use the product promptly to avoid possibility of storage related contamination.

### HEALTH & SAFETY

**QuickMix® SuperBond (369)** is non-hazardous. However, Lafarge Drymix recommends that appropriate safety equipment to be worn by workers when handling this product, including dust masks, rubber gloves, full eye protection and boots where necessary. In case of contact with eyes, wash with plenty of water. If irritation persists, seek immediate medical attention. For further information, refer to the Safety Data Sheet.

### CERTIFICATIONS



SIRIM

CERTIFIED TO ISO 9001: 2015  
CERT. NO. : QMS 02960



SIRIM

CERTIFIED TO ISO 14001: 2015  
CERT. NO. : EMS 00906



ID No. 040-032-1937  
LOW EMISSION LOW TOXICITY  
ADHESIVE/SEALANT

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