



# TILE ADHESIVE (361)

MALAYSIA

Revision 1, February 2020

## PRODUCT DATA SHEET

Adhesive Series

### GENERAL DESCRIPTION

**QuickMix® Tile Adhesive (361)** is an improved polymer-modified cementitious adhesive (C2) with slip resistant (T) and extended open time (E) complied to **MS EN 12004-1 : Class C2TE** for wall and floor tiling work. It is suitable for internal and external applications over concrete, plastered or rendered surfaces. It is also ideal for installing ceramic, homogeneous, porcelain and mosaic tiles.



### TYPICAL USES

- Small to medium 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.
- Plastered or rendered surfaces on concrete wall, brick wall and block wall.
- Screeded surfaces on concrete floor slab.

### 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.
- Weather resistance and high 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 polymer powder
Coverage	Approx. 6.5 – 7.0 m <sup>2</sup> per bag (For tile size 300mm x 300mm at 2.5 mm thick) Approx. 2.7 – 2.9 m <sup>2</sup> per bag (For tile size 300mm 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 C2TE	
Water Powder Ratio	0.24 – 0.26
Wet Density	1700 – 1800 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>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 such that, 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® Tile Adhesive (361)** with approximately 6.25 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® Tile Adhesive (361)** 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.

### CURING AND PROTECTION

- Tiles installed with **QuickMix® Tile Adhesive (361)** 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® Tile Adhesive (361)**:
  - Over wood, timber, metal, steel and gypsum surface.
  - On concrete slabs subject to strong shrinkage and other movement.
  - With large-format size tiles.
  - On area subject to hydrostatic pressure i.e. swimming pool area.
  - 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® Tile Adhesive (361)** is packed in 25kg bags.

### STORAGE & SHELF LIFE

- **QuickMix® Tile Adhesive (361)** 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® Tile Adhesive (361)** 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. 040-032-1938  
LOW EMISSION LOW TOXICITY  
ADHESIVE/SEALANT

*Disclaimer: The information contained herein together with the suggestions for use and application is, to the best of our knowledge based on laboratory tests and practical experience, accurate and reliable as of the time of publication. As we are unable to anticipate and control many conditions under which our products may be used, no responsibility can be accepted by us for any loss or damaged caused by the person acting or refraining from action as a results of this information. It is the user's responsibility to satisfy himself / herself as to the suitability of information provided here for their intended use. We reserve the right to alter the given data without prior notice.*

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