

COMPANY INFORMATION

ALLGEMEINE BAU - CHEMIE PHIL., INC.

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PRODUCT NAME

ABC TILE ADHESIVE Original

PRODUCT DESCRIPTION

ABC TILE ADHESIVE Original is a cement-based adhesive designed for bonding all sizes of earthenware tiles (ceramic & clay) and mosaic tiles (porcelain & earthenware) for floor and wall tile installations on concrete surfaces. Only high quality aggregates and selected chemical additives are used strictly conforming to International Standards.

THE ABC TILE ADHESIVE ADVANTAGE

- ✓ Superior bonding
- ✓ High Pull-out Strength
- ✓ Resistant to Thermal Deformation
- ✓ Withstands structural movements
- ✓ Fast & Easy Installation
- ✓ Professional Finish
- ✓ Economical
- ✓ Eco-friendly & Low VOC Levels



COLORS

Gray & White

CLASSIFICATION STANDARD

- ✓ ANSI A118.1 (USA) American National Standards Institute
- ✓ EN 12004 : 2000 (EU) European Standard
- ✓ PNS ISO 13007 - 1:2014 Type C1 (PH) Philippine National Standards

TECHNICAL DATA

Physical Test	PNS ISO 13007-1:2014	Results
Water demand	Not Applicable	20 ml / 100 g
Workability	Not Applicable	Excellent
Open time	≥ 20 minutes	20 minutes
Pot life	Not Applicable	4 hours
Standing strength	Not Applicable	Excellent
Slip resistance	≤ 0.5 mm	0 mm
Tensile adhesion strength	≥ 0.5 N/mm ²	1.78 N/mm ²
Tensile adhesion strength after water immersion	≥ 0.5 N/mm ²	1.47 N/mm ²

SURFACE PREPARATION

- The surface must be fully cured, structurally stable, level, even, clean & free from paint & contaminants such as dirt, dust, loose material, oil and chemicals.
- Use a level bar to ensure the surface's levelness and / or plumbness.
- For painted surfaces: acid etch or abrade paint to ensure proper bonding.
- For water exposed areas: use ABC Aquashield Plus Flexible Waterproofing before tiling. Cementitious waterproofing must have cured at least 3 days.

APPLICATION GUIDE

1. Mixing

Use plastic pail as mixing base. Pour water into container and add ABC TILE ADHESIVE Original that can be used within the pot life of 4 hours. *POT LIFE is the time during which the mix can be used.* Using a mixing torque, stir to attain smooth, lump-free and pasty consistency. Let it rest for 15 minutes and mix again briefly before use.

Potlife

4 hours

Mixing Ratio	Mixing Method	Mixing Tool
Water + Tile Adhesive		
5.25L + 25kg	Mechanical	mixing torque
6L + 25kg	Manual	mason's trowel



⚠Caution: Use only non-absorptive materials as mixing base (plastic pail or G.I. sheet). If absorptive materials such as plywood, wooden box, gypsum board, fiber cement board or cardboard is used, it will affect the

chemical properties of the product, which can result in bonding failure and poor product performance.

2. Application

Dampen concrete surface before application. Apply tile adhesive with a notched trowel combing in a straight manner 1m² at a time. *Note: For large format tiles or tiles with a smooth back surface, apply a scratch coat at the back of the tile & let dry before using the double spreading adhesive method.*



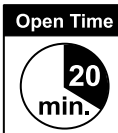
	Tile Size	Tile Adhesive Thickness
Mosaic	below 30 x 30cm	3mm (Thin bed)
Small		
Medium	60 x 60cm & below	6mm (Medium bed)
Large	above 60 x 60cm	10mm (Thick bed)

3. Installation

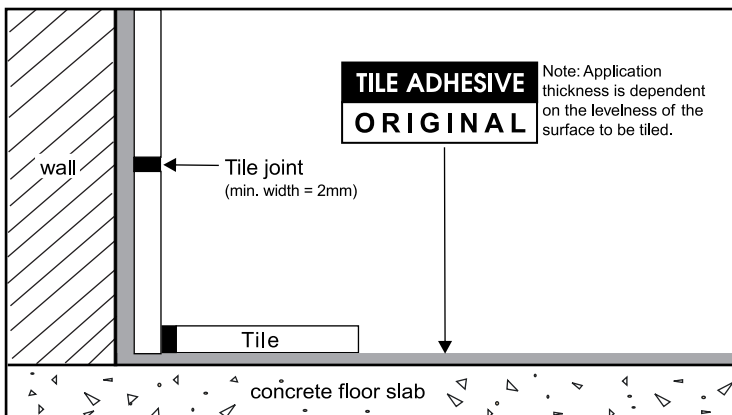
Install tiles within the open time of 20 minutes. During the open time, the mortar's adhesive strength is most effective. Use tile spacers for uniform grout lines. Adjust & align tiles within 15 minutes using light taps with a rubber mallet.

TIPS:

- Do random checks if the back of the tiles are fully covered with tile adhesive.
- Check if tile adhesive mortar still adheres to your finger to find out if the open time has not lapsed. If open time has lapsed, remove old tile adhesive layer and reapply a new one to avoid bonding failure.
- NEVER add newly prepared tile adhesive to a previously mixed batch.
- A tile joint width is needed to accommodate possible tile movement due to thermal deformation, substrate shrinkage or tile expansion, thus preventing the tile from cracking.



SECTIONAL DETAIL



COVERAGE

COVERAGE		
Application Method	Tile Adhesive Application Thickness	Approximate Coverage
Thin bed	3mm	5m ²
Medium bed	6mm	2.6m ²
Thick bed	10mm	1.6m ²

Note: Coverage is dependent on tile size, surface smoothness of the back of the tile, substrate condition & application thickness. The bigger the tile, the smaller the coverage area.

PACKAGING

5 kg plastic bag and 25 kg multilayer paperbag

STORAGE & SHELF LIFE

When stored in a cool dry place & in its original unopened packaging, ABC Tile Adhesive Original will remain usable one year from date of manufacture.

WARRANTY

Due to variety of applications, different working methods and the various properties of bases, we cannot assume responsibility or liability with regard to the application of our products. Our guarantee and liability are restricted to the quality of our products at the time of acceptance of the customer of such products. In no case shall our liability extend beyond replacement of defective products, if any, found at the time of acceptance. For all deliveries and services, our General Sales Condition including warranties stipulated for each case are valid.

