

## COMPANY INFORMATION

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## PRODUCT NAME

ABC TILE ADHESIVE Heavy-Duty

## PRODUCT DESCRIPTION

ABC TILE ADHESIVE Heavy-Duty is a cement-based adhesive designed for bonding all types of tiles for floor & wall tile installations. Application areas include indoor & outdoor concrete surfaces using the thinbed method. **ABC TILE ADHESIVE HEAVY-DUTY is primarily used for low porosity tiles, glass mosaic tiles, stoneware & all types of large format tiles. It is highly recommended for outdoor tiling, pool & water features & all heavy-foot traffic areas.**

## THE ABC TILE ADHESIVE HEAVY-DUTY ADVANTAGE

- ✓ Extra Strong bonding
- ✓ High Pull-out Strength
- ✓ Resistant to Thermal Deformation
- ✓ Withstands structural movements
- ✓ Fast & Easy Installation
- ✓ Stays flexible
- ✓ 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 C2 (PH) Philippine National Standards International Organization for Standardization

## 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	≥ 1.0 N/mm <sup>2</sup>	2.5 N/mm <sup>2</sup>
Tensile adhesion strength after water immersion	≥ 1.0 N/mm <sup>2</sup>	2.0 N/mm <sup>2</sup>

## 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.

## APPLICATION GUIDE

### 1. Mixing

Use plastic pail as mixing base. Pour water into container and add ABC TILE ADHESIVE Heavy-Duty 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 restir briefly before use.

Potlife  
**4 hours**

Mixing Ratio	Mixing Method	Mixing Tool	
Water + Tile Adhesive			for best results: use mixing torque
5.50L + 25kg	Mechanical	mixing torque	
6.25L + 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.** Using a notched trowel, spread mortar in horizontal straight direction to produce a ribbed thin bed. Apply evenly over an area of 1m<sup>2</sup> at a time. **For large format tiles or stoneware, apply tile adhesive on two surfaces** (on the substrate and at the back of the tile or stone to be installed).



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. Adjust and align tiles. Use a rubber mallet to apply pressure on the tiles & assure proper bonding. Ready for foot traffic after 24 hours.

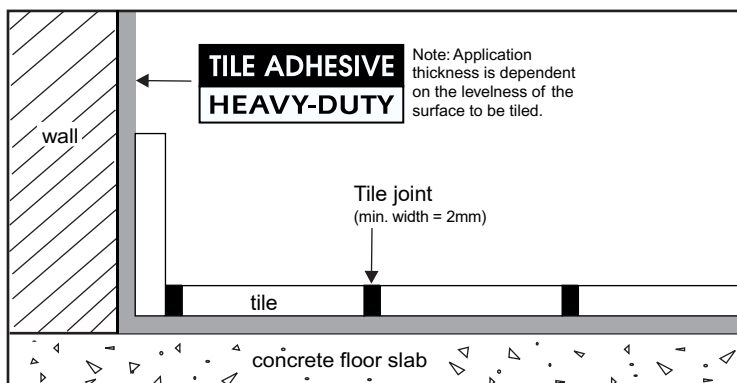


#### TIPS:

- 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.
- Use tile spacers for uniform grout lines. 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

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

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 Heavy-Duty 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.