



118

POLYMER BASED TILE ADHESIVE ADDITIVES

KB Tile Glue 118 is specially formulated tile adhesive for large sized tiles which fully compliance with European Norm EN 12004 Class 2 as Improved Tile Adhesive.



RECOMMENDED APPLICATIONS

- Ceramic, porcelain and vitreous glazed tiles, stone materials and mosaic for interior and exterior wall and floor installation.
- For any tile size larger than 400mm x 400mm and above
- Required higher bonding strength ($> 1\text{N/mm}^2$)
- Firmly installed gypsum board, cement board.
- Cement render wall or floor, concrete wall, under floor heating installation.

INNOVATIVE GREEN PRODUCT

- Reduced cost of transportation, labour cost, manufacturing costs by reducing its weight to only 1kg and 200g packing sizes.
- Achieving better economy of scales at lower cost of production efficiently and effectively.
- Less shrinkage and reduce the maintenance work

PRODUCT FEATURES

KB Tile Glue 118 is a white powder composed of organic polymer and special additives. It is packed into 2 different weight at 200 grams and 1 kilogram. It needs to be mixed with cement, sand and water in order to produce the mortar yield. After the mixtures with water :

- The mortar paste will be easily used for tile laying
- Less shrinkage crack occurs underneath the tile
- Superb adhesion to many types of different substrates eg, cement screed floor, concrete wall and others.
- Better workability
- Easier to adjust the level at paused working are
- Minimise the possibility of tile debond



APPLICATION PROCEDURES

PREPARING THE SUBSTRATES

- Applying surfaces must be cleaned up and free from grease, skim coat cement, paints, loose part from substrates.
- Damp substrates will slow down the tile adhesive setting time.

MIXING RATIO 混合比例



50kg OPC
x 1 Bag
一包50kg的
洋灰 (OPC)

+



2½ @ 18L Pail
DRY WASHED FINE SAND
二桶半(18L的漆桶)的
烫灰幼沙

+



1 Bag (1kg) of
KB Tile Glue 118
一包(1kg)
KB Tile Glue 118

=

5 PAILS
X
25kg C2TE
Tile Adhesive

MIX with HAND MIXER

Until smooth & lump free paste is visible

使用工业搅拌器搅合至
胶质状态呈现后即可开始使用

TECHNICAL DATA

| | |
|---|--|
| Product Type | Free flow powder |
| pH Of Power | 6~8 |
| Packing Size | 200 grams and 1 kilogram |
| Storage & Product Life Span | 12 months from manufacturing date in dry place of storage not above 40 °c |
| Application Temperature Range | From +5 °c to 40 °c |
| Mixing Ratio | 43% cement, 57% fine sand |
| Open Time | >30 minutes |
| Pot Life | 6 hours |
| Adjustable Timing | 45 minutes |
| Ready For Use | 21 days |
| Setting Time For Light Foot Traffic | After 24 hours |
| Custom Code | 3905300000 |
| Safety & Health | Refer to our Material Safety Data Sheet |
| Tensile Pull Out Test for the bonding strength in N/mm²: | |
| » initial bonding after 28 days | 1.0 N/mm² |
| » bonding after heat exposure | 1.0 N/mm² |
| » bonding after immersion in water | 1.0 N/mm² |
| » bonding after freeze / thaw cycles | 1.0 N/mm² |

QUALITY PRODUCT ASSURANCE - TENSILE PULL OUT TEST

KB Tile Glue 118 shall have the minimum tensile pull out test at 1.0n/nm². NILAI MAYANG Sdn Bhd has provided the best effort to manufacture the tile adhesive additives which shall attained the best quality. Our TENSILE PULL OUT TEST is available based on request for out quality assurance.

EUROPEAN NORM (EN12004 CLASS 2 Improved Tile Adhesive Specification)

| TEST METHOD | TEST CLASS C1 | TEST CLASS C2 |
|---|--|--|
| NORMAL SETTING ADHESIVES | | |
| Open Time EN 1346 | ≥ 0.5 N / mm² after 20 min | ≥ 0.5 N / mm² after 20 min |
| Tensile Adhesion Strength EN 1348 | ≥ 0.5 N / mm² | ≥ 1.0 N / mm² |
| Water Immersion EN 1348 | ≥ 0.5 N / mm² | ≥ 1.0 N / mm² |
| Heat Aging EN 1348 | ≥ 0.5 N / mm² | ≥ 1.0 N / mm² |
| Freeze - Thaw Cycle EN 1348 | ≥ 0.5 N / mm² | ≥ 1.0 N / mm² |
| FAST SETTING ADHESIVE | | |
| F: Rapid Hardening & Open Time (EN 1348) | ≥ 0.5 N / mm² after 24 hours ≥ 0.5 N / mm² after 10 min | ≥ 0.5 N / mm² after 24 hours ≥ 0.5 N / mm² after 10 min |
| ADDITIONAL REQUIREMENT | | |
| T : Slip | ≤ 0.5 N / mm² | ≤ 0.5 N / mm² |
| E : Extended Open Time | | ≥ 0.5 N / mm² after 30 min |