

DESCRIPTION

Stonebond is a grey or white powder composed of cement, sands of selected granulometry, synthetic resins and special admixtures according to a formula developed in our company. Tilebond mixed with water, becomes an easily workable mortar, that can be applied even vertically without slumping and without letting the tiles slip. Stonebond after curing is hardens without appreciable shrinkage attaining a good resistance, adhering perfectly to all materials normally used in the building

COMPLIED STANDARD

- TCVN 7899-2: 2008
- EN 12004-1&2:2017

EXCUTION METHOD

Preparing the substrate

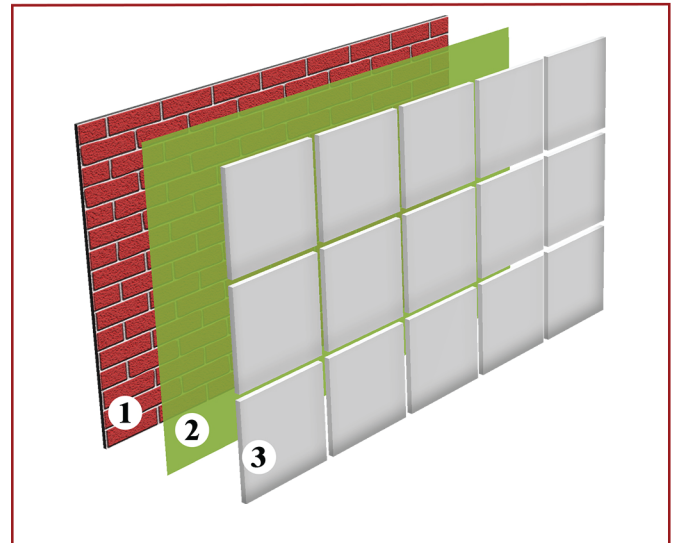
The substrates must be cured, mechanically strong, free of loose particles, grease, oil, paint, wax and sufficiently dry. Cement substrates must not be subject to shrinkage after tile installation. In mild weather, renders must have cured at least one week for each centimetre of thickness and cementitious screeds must have cured at least 28 days. Cool down with water surfaces that could become too hot due to exposure to sun light.

Preparing the mix

Tilebond mixed with clean water to obtain an homogenous paste free of lumps; after some minutes of resting, it must be re-mixed and the paste is then ready for use. The ratio of water to be used is 23-25 parts per 100 parts (by weight) equal to 5-6 litres of water for 25 kg of Tilebond

Applying the mix

Tilebond is applied with a notched trowel onto the substrate. Choose a trowel that will give a coverage to the back of the tiles of at least 65-70% for walls or for internal light foot traffic. For heavy traffic and for external application, the coverage must be 100%. To obtain good adhesion to the substrate the following system is recommended: first apply a thin coat of Tilebond using the smooth side of the trowel and immediately afterwards apply the desired thickness of Tilebond using the toothed side of the trowel.



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|-----------|--------------|
| 1. Floor | 2. StoneBond |
| 3. Stones | |

GROUTING AND SEALING

Can do grouting for joints between the ceramic tiles and stone:

For floor joints can be grouted after 24 hours with the specific Eco grout colour cementitious

For wall joints between the ceramic tiles can be grouted after 4-8 hours .

SET TO LIGHT FOOT TRAFFIC

Floors are set to light foot traffic after approx. 24 hours.

CONSUMPTION

Size (mmxmm)	Consumption (kg/m ²)
<200x200	2-3kg/m ²
300x300, 300x400	4-5kg/m ²
300x600, 600x600	5-7kg/m ²
600x900, 600x1200	8-10kg/m ²

PACKING

Stonebond is supplied 25 kg paper bags.

SPECIFICATIONS	
Consistency	Powder
Appearance	Grey
Binder	Portland cement
Filler	Graded Siliaca Sand
Mix ratio	5-6 l / 25 kg
Consistency of mix	Pasty
Pot life	2 hours
Open time	30 mins
Adjustability time	Approx 45 minutes
Resistance to moisture	Good
Resistance to acids and alkalis	Normal
Resistance to temperature	From 5oC to ± 80oC
Adhesion according (N/mm ²)	
Initial adhesion (after 28 days):	≥1.0
Adhesion after heating:	≥1.05
Adhesion after water immersion:	≥1.2
Adhesion after freeze-thaw cycles	≥1.0

EXPIRY DATE

StoneBond 1 has a shelf life of 12 months in tightly closed original packing.

DRYMAS VIETNAM CO., LTD

Head Office 1st Floor, X2 Building, Lane 34, Nghia Do Street, Tay Ho District, Hanoi
 Website: www.drymas.vn Email: info@drymas.vn
 Hotline: (024). 73013789

Factory Pham Van Dong Street, Cao Minh Village, Phuc Yen City, Vinh Phuc Province

