Standard tile adhesive for laying ceramic tiles, granites size up to 60 x 60 cm

weber.tai cem



- Laying ceramic tiles, granito tiles up to size 60 x 60 cm on both floor and wall
- Extended open time resulting in faster application
- Suitable to medium size project where general tiles are laid
- Low VOCs

PRODUCT DESCRIPTION

weber.tai cem is cementitious pre-mixed tile adhesive to mix with water giving good bonding for laying tiles on both floors and walls

SUITABLE FOR: ceramic tiles, clay tiles, granito tiles size up to 60 x 60 cm

PACKAGING: 20 kg bag and 25 kg bag

COLOR: grey

COVERAGE: average 4 m^2/20 kg bag
average 5 m^2/25 kg bag

APPLICATION

Substrate preparation

- Substrate should be sound, level, and clean with normal absorption rate
- In case of porous substrate with high absorption, dampen the surface before tiling
- For new render or screed, it should be fully cured at the rate of 7 days per 1 cm thickness before tiling

Mixing

Mixing **weber.tai cem** in water with the ratio of 1:3 by volume (1 part of water + 3 parts of **weber.tai cem**). Using slow-speed electric mixer to mix or gradually mix by hand until obtaining homogeneous lump-free paste. Leave for 3 – 4 minutes for chemical curing before using.

Tiling

1. Using notched trowel to spread tile adhesive onto substrate
2. Back buttering in case of laying tile bigger than 10 x 10 inches
3. Placing tiles on tile adhesive and knock gradually with rubber hammer
4. Clean the excess tile adhesive on tile surface
5. Tiles can be adjusted within 10 minutes after laying
6. Leave for 24 hours before grouting

SHELF LIFE AND STORAGE

One year after manufacturing date when stored unopened in dry and ventilated place. Store airtight in dry and ventilated conditions if remained in opened bag

TECHNICAL DATA

Type	Normal tile adhesive
Density of powder	1.4 g/cm^3
Chemical curing time	3 – 4 minutes
Pot life (in shade)	4 hours
Open time	20 minutes
Adjusting time	10 minutes
Recommended thickness	2 – 10 mm
Waiting time before grouting	24 hours

Remark: These test results are from laboratory test. They could be slightly different from on-site results because of the differences in applications and conditions

CERTIFIED STANDARD

International/European standard	Standard	Result
Initial tensile adhesion strength ISO 13007 part 2-4.4.4.2 or EN 1348-8.2	≥ 0.5 N/mm^2	1.03 N/mm^2
Tensile adhesion strength after water immersion ISO 13007 part 2-4.4.4.3 or EN 1348-8.3	≥ 0.5 N/mm^2	1.09 N/mm^2
Open time tensile adhesion strength ISO 13007 part 2-4.1 or EN 1346	≥ 0.5 N/mm^2	0.74 N/mm^2

American Standard		Standard	Result
Shear strength according to ANSI 118.1-2012			
- To glazed wall tiles	7 days	≥ 14.06 ksc	16.0 ksc
- To porcelain mosaics	1 day	≥ 3.52 ksc	7.8 ksc
	7 days	≥ 10.55 ksc	11.7 ksc
	28 days	≥ 10.55 ksc	14.7 ksc
	84 days	≥ 10.55 ksc	14.2 ksc
Water immersion shear strength according to ANSI 118.2 – 2012			
- To glaze wall tiles	7 days	≥ 10.55 ksc	16.7 ksc
- To porcelain mosaic	7 days	≥ 7.03 ksc	12.1 ksc