

White or grey cementitious adhesive for tiles for interiors and exteriors



Composition

AD 8 is a dry premixed adhesive composed of white or grey Portland cement, selected sands and specific additives to improve workability and adhesion.

Technical characteristics

Appearance	white or grey powder
Specific weight of the powder	1,300 kg/m ³ approx.
Grading	less than 0.6 mm
Yield	3 - 4 kg/m ² approx.
Water content of mix	30% approx.
Resting time	5 minutes approx.
Specific weight of wet mortar	1,650 kg/m ³
Density of hardened adhesive:	1,500 kg/m ³ approx.
ph	> 12
Duration of mix at +20°C	8 hours approx.
Application temperature	from +5°C to +35°C
Open time	25 minutes approx.
Time for aligning tiles	50 minutes approx.
Time before puttying joints	1 day approx.
Final hardening	after at least 2 weeks
Resistance to flexing after 28 days	5 N/mm ² approx.
Resistance to compression after 28 days	12 N/mm ² approx.
Elasticity module after 28 days	8.000 N/mm ² approx.
Flexibility	No

Norm Uni En 12004/1348 C1	Certification value	Norm requirement
Initial tensile adhesion	0,9 N/mm ² approx.	≥ 0,5 N/mm ²
Tensile adhesion after water immersion	0,5 N/mm ² approx.	≥ 0,5 N/mm ²
Tensile adhesion after heat treatment	0,6 N/mm ² approx.	≥ 0,5 N/mm ²
Tensile adhesion after freeze-thaw cycles	1,0 N/mm ² approx.	≥ 0,5 N/mm ²

Use

AD 8 is used for cementing ceramic tiles, gres, marble etc. onto lime and cement based foundation plasters, long-standing, dry cementitious floor screeds and long-standing concrete floors with no deflection.

Do not use for:	As an alternative apply:
walls of gypsum plasterboard	AZ 59
laying directly on gypsum or anhydrite bases	Primer DG 74 beforehand
already covered surfaces	AD 8 with latex DE 80 AZ 59
surfaces of concrete or lightweight concrete	AD 8 with latex DE 80
heated floors	AD 8 with latex DE 80 AZ 59
large size ceramic tiles or slabs of natural stone	AD 8 with latex DE 80 AZ 59
a thickness greater than 5 mm	AK 82

Preparation of the base

The surface for tiling must be free of dust and dirt. Any traces of oil, grease, wax etc. must be removed beforehand as well as any powdery or loose sections.

Working

Add 7,5 litres of clean water to each 25 kg sack of AD 8 and mix by hand or with a mechanical agitator until a homogeneous paste without lumps is obtained. Wait 5 minutes before application. Stir and spread the adhesive with a notched trowel. The paste will be workable for 8 hours. It is not necessary to wet the tiles before laying. The tiles are applied by moving them a little while pressing down and then tapping them carefully so that the entire surface is in perfect contact with the adhesive.

Any re-aligning of the tiles after laying must be carried out within 40 - 50 minutes. If the adhesive forms a film on the surface, do not wet it but go over it again with the notched trowel. To cement tiles for exteriors or for floors smoothed in place, apply a layer of adhesive onto the back of the tile as well.

Sealing the joints

After the tiles have been laid using AD 8, wait 1 day before sealing the joints. Use FC 830 for joints from 0 to 4 mm and FC 854 for joints from 4 to 15 mm. In case chemical resistance is required use epoxide based joint sealing FE 838.

Warning

- Fresh adhesive should be protected from direct sun and heavy rain for at least 24 hours.

AD 8 should only be used in its original state without the addition of other materials.

Supply

- White AD 8: Special sacks with protection against damp of 25 kg approx. and boxes 5 x 5 kg approx.
- Grey AD 8: Special sacks with protection against damp of 25 kg approx.

Conservation

If stored in a dry place on wooden pallets the material will last for a maximum of 6 months.

Quality

AD 8 undergoes accurate and continuous checking in our laboratories. The raw materials used are carefully selected and checked.

The above information refers to laboratory testing; it is possible that in practical applications on site it may differ according to the conditions in which the material is applied. In any case the user should verify that the product is suitable for the intended application, taking all responsibility for its use.

Fassa reserves the right to make technical modifications without notice. Edition 09/03