



TECHNICAL DATA SHEET
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MAXIPLUS S1

TILE ADHESIVE

Improved professional single component deformable cement tile adhesive with reduced slip and extended open time C2TE-S1.

MAXIPLUS S1 is a single component professional cement based adhesive of a powder form. Improved, deformable and with reduced slip and extended open duration for tiling on both internal or external floors and walls. The adhesive is suitable for fixing vitrified porcelain, cotto, clinker and vitreous mosaic etc. and for the laying of large or overlapping tiles. Suitable for swimming pool.

Composition

MAXIPLUS S1 is a special formula consisting of high resistance cements and synthetic resins to increase adherence to surfaces and flexibility, using selected aggregates and other specific additives to improve application, deformation, avoiding vertical sliding of tiles and with extend opening time.

Mixing and application

MAXIPLUS S1 is applied to conventional cement plaster, premixed cement plaster, cement screeds, also where underfloor heating is installed, existing surfaces clad in tiles, slabs and natural stone or cured concrete. Before applying the adhesive MAXIPLUS S1, make sure that the surfaces are stable, clean and dry, free from oil or grease and that they are flat and normally absorbent. On gypsum based plaster and/ or anhydrite screeds apply a coat of PRIMER 3G at least 4 hours before applying the adhesive. Proceed with the same treatment on old, peeling or inconsistent cement plaster. For laying ceramic tiles on existing floors, spread a layer of special primer 24 hours before applying the cement adhesive to the new floor. Pour a 25 kg bag of MAXIPLUS S1 in about 6.0-6.5 litres of clean water and mix at a low rate with an electric cement mixer until a smooth, lump-free mixture has formed. Allow the mixture to rest for about 10 minutes, then stir again briefly before use. Spread the product using a serrated trowel to a maximum thickness of 10 mm. Apply first a thin layer to the area to be covered using the smooth side of trowel, proceed to apply thickness to the adhesive using serrated side. Apply the product leaving a gap of at least 2 mm between one tile and the next. Apply pressure on the tiles in order to obtain a more complete surface contact as possible between the tiles, adhesive and surface. Make sure that during application a surface film does not form on the adhesive applied. This occurs mainly when product is applied at high temperatures or in the presence of strong wind, preventing perfect adhesion between the adhesive and the tile: in this case it is advisable to remove the adhesive applied and if necessary to use "fresh" product. Wait at least 8 hours before grouting joints on walls, at least 24 hours before grouting floor joints with FUGAMAX or FUGAPRIM.



Recommendations

Avoid applying with temperatures below + 5°C or above + 35°C. Avoid applying to surfaces that are dusty, unstable or inconsistent. Do not apply to surfaces that are frozen, thawing or if freezing temperatures are expected within 24 hours. Do not apply adhesive thickness greater than 10 mm. Apply tiles on fresh adhesive using a serrated trowel appropriate to the size of the floor. Apply a double layer of adhesive for external use. Do not use on surfaces that are too large to avoid exceeding the open duration time.

Chemical characteristics

Appearance	Powder
Colour	White or grey
Open time	≥ 30' minutes
Dry bulk density	~ 1100 kg/m ³
Maximum aggregate size	≤ 0.6 mm
Water content of mixture	24-26%
Mixing ratio	By weight (100 part powder + 24 to 26 parts water)
Minimum application temperature	+ 5°C
Maximum application temperature	+ 35°C
Maximum thickness of application	10 mm
Adjustability time	≥ 30' minutes
Ready to walk on	≥ 24 hours
Ready for grouting on wall	≥ 8 hours
Ready for grouting on floor	≥ 24 hours
Ready for use	≥ 7 days
Reaction to fire	F Class EN 13501-10
Early tensile adhesion strength	NPD EN 1348
Initial tensile adhesion strength	≥ 1.0 N/mm ² EN 1348
Tensile adhesion strength after heat ageing	≥ 1.0 N/mm ² EN 1348
Tensile adhesion strength after water immersion	≥ 1.0 N/mm ² EN 1348
Tensile adhesion strength after freeze-thaw cycles	≥ 1.0 N/mm ² EN 1348
Release of dangerous substances	See MSDS
Certification CE	EN 12004 Improved cement adhesive with reduced slip and extended open duration for internal and external tiling C2TE-S1
LEED	Approved
Shelf life	12 months from production date in its original packaging (unopened container) between 5° and 30° C in a cool dry place.
* indicative values, depending on the nature of the material and environmental conditions	



Coverage

Vitreous mosaic and small size: 2.0 kg per m² .
Normal size: 2.5-3.5 kg per m² .
Large size: 4.0-5.0 kg per m²



Storage

12 months in original intact packaging and stored in a dry place.



Packing

25 kg bags on disposable 1575 kg pallet (63 bags) protected by waterproof plastic wrap.

Safety procedures

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place. MSDS is available on our web site www.primaxbuild.it

Trademark and Origin of the good

PRIMAX[®] is a registered trademark of Bellinzoni company. The law considers a trademark to be a form of property and any misuse can be persecuted by law. Bellinzoni s.r.l. declares that our product MAXIPLUS S1 C2TES1 is MADE IN ITALY.

DISCLAIMER All data indicated in this leaflet are the results of tests and experiments carried out in our laboratories and through reliable operators in the stone business and have to be considered reliable. Because of the many factors which can influence them, the information here reported do not constitute implicit or formal guarantees. The end user undertakes the responsibility in the usage of the product making sure to experiment the product characteristic as preventive measure.

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