



C2TE  
S2

TECHNICAL DATA SHEET  
ID Product Code 000  
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# MAXTREME S2

## TILE ADHESIVE

Improved professional single component highly deformable cement adhesive with reduced slip and extended open time.

MAXTREME S2 is a single component professional cement based adhesive available in white or grey colour. It is a high performance, highly deformable tile adhesive, with reduced slip and extended open time, of class C2TES2 according to EN 12004 regulation. The product is designed for the laying of ceramic tiles and stone on floors and walls both internally and externally, suitable for underfloor heating, reinforced concrete slabs or unheated rooms, facades, swimming pools, cement screeds and plasters. The adhesive is suitable for laying large tiles of vitrified porcelain, cotto, clinker and glass mosaic etc., and for the laying of large or overlapping tiles. Can be applied on cementitious based waterproofed surfaces.

### Composition

MAXTREME S2 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 extended opening time.

### Mixing and application


Pour a 25 kg bag of MAXTREME S2 in about 7.5-8 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 5 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 surface to be covered using the smooth side of trowel, proceed to use the serrated side. When applying tiles with ridges in the back (dovetail) apply the adhesive to fully cover the back with the double spreading method. For applying tiles using levelling spacers apply the adhesive to fully cover the back with the double spreading method. 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 6-8 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. Be aware of the open time.

## Chemical characteristics

Appearance	Powder
Colour	White or grey
Dry bulk density	~ 1100 kg/m <sup>3</sup>
Maximum aggregate size	≤ 0.6 mm
Mixing ratio	1 bag + 7.5-8 ℓ of 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	≥ 6-8 hours
Ready for grouting on floor	≥ 24 hours
Ready for use	≥ 14 days
Reaction to fire	F Class EN 13501-10
Initial tensile adhesion strength	≥ 2.2 N/mm <sup>2</sup> EN 1348
Tensile adhesion strength after heat ageing	≥ 3.2 N/mm <sup>2</sup> EN 1348
Tensile adhesion strength after water immersion	≥ 1.7 N/mm <sup>2</sup> EN 1348
Tensile adhesion strength after freeze-thaw cycles	≥ 2.0 N/mm <sup>2</sup> EN 1348
Transverse deformation	5.2 mm EN 12002
Slip	0.4 mm EN 1308
Open time	0.5 N/mm <sup>2</sup> after not less than 30 minutes EN 1346
Certification 	EN 12004-1:2017 Improved cement adhesive, highly deformable with reduced slip and extended open duration for internal and external tiling C2TES2
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

Witreous mosaic and small size: 2.0 kg per m<sup>2</sup> .  
Normal size: 2.5-3.5 kg per m<sup>2</sup> .  
Large size: 4.0-5.0 kg per m<sup>2</sup>



### Storage

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



### Packing

25 kg bags

## 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](http://www.primaxbuild.it)

## Trademark and Origin of the good

PRIMAX<sup>®</sup> 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 MAXTREME S2 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.

**Bellinzoni**

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