



TECHNICAL DATA SHEET
ID Product Code
Rev. 01/2020

PRIMALASTIC SMART

ELASTIC BRUSHABLE WATERPROOFING

for waterproofing concrete surfaces, screeds and substrates.

PRIMALASTIC SMART is brushable elastic cementitious two-component mortar for waterproofing cementitious surfaces, plasters, screed cement-based substrates, ceramic and marble. With high adhesion to substrates, good flexibility and excellent workability: it is suitable for the waterproofing of baths, showers, terraces, balconies, tubs, swimming pools, water basins, water storage tanks, canals, before laying ceramic tiles, natural stone or glass mosaics.

Composition

PRIMALASTIC SMART is a two-component formulated powder containing special cements, selected aggregates, specific additives and special synthetic polymer dispersed in water to ensure, substrate adhesion, flexibility, water resistance and elasticity.

Preparation, Mixing & Application

Concrete surface preparation The substrates must be sound, consistent, seasoned, free of dust and unstable parts. The surfaces must be dry and free from rising damp. Clean surfaces to remove all traces of residual cement, release agent, dust, grease, brittle or detached parts by sandblasting or pressure washing. Restore the substrate using mortar for concrete repairs. Moisten the prepared substrates with clean water before applying the waterproofing system. **Cement-based screeds and cement foundations** The substrate must be sound, solid, free from dust, and brittle parts. The surfaces must be dry and free from rising damp. Seal in advance any cracks in the screed. **Ceramic or Marble preparation** The substrate must be sound, solid, free from dust, and brittle parts. The surfaces must be dry and free from rising damp. The existing coatings should perfectly adhere to substrate. Remove any dust, oil, wax, grease, paint, etc. from the substrate using suitable pressure washing. **Plaster preparation** The substrate must be sound, solid, free from dust, and brittle parts. The surfaces should be dry, seasoned, and free from rising damp. Remove any dust, paint, etc. from the substrate. Moisten the prepared substrates with clean water before applying the waterproofing system.

Pour liquid component (B) in a clean container. Slowly adding the powder component (A) of PRIMALASTIC SMART and mix with an electric mixer at low speed until the mixture is smooth and free of lumps. Let the mixture rest for about 3' minutes and briefly mix again before use. Apply the mixture within 60' minutes.

Apply PRIMALASTIC SMART by brush or roller in at least two layers (wait 4-5 hours between the layers) on clean and dust-free substrates. Regarding edges, corners and expansion joints, apply non-woven tape. Apply the first layer of about 2 mm on the surface to be waterproofed. If substrates have micro cracks or are exposed to strong pressure (waterproofing of tanks, swimming pools, terraces and balconies), immerse within the first coat of fresh PRIMALASTIC SMART the reinforcement mesh 4X4, incorporating it into the product and compacting with a trowel, avoiding creases. When product is hardened, apply a second layer to the entire surface, forming a uniform coating of 2-3 mm. When laying ceramic tiles on the waterproofing system PRIMALASTIC SMART it is recommended to wait completely hardened, depending on weather conditions and temperatures, minimum 5 days before applying the adhesive coating. It is recommended to use professional mono-component cementitious -based C2 adhesives such as MAXIPLUS S1.



Recommendations

Do not mix the product manually, but use an electric mixer at low speed. Protect the treated surfaces from sunlight and rapid drying. In low temperatures, verify that the product is dry before laying ceramic tiles. Assess the products adequacy if rained upon during the drying phase before applying further products. Do not apply on gypsum based or anhydrite substrates without previously treating with specific primers. Do not apply on substrates of metal, wood, bituminous membranes, inverted roofs with insulation or lightweight substrates. Do not use for exposed waterproofing coatings. Use the appropriate tape for proper sealing of corners, edges and expansion joints.

Chemical characteristics

Component A	
Appearance	Powder
Colour	Grey
Dry bulk density	1350 kg/m ³
Maximum aggregate size	≤ 0.3 mm
Component B	
Appearance	liquid
Colour	White
Density	1 kg/lit
Dry solid content	54,5 ± 2 % p/p
Application Data	
Mixing ratio	2 parts of A powder : 1 part of B liquid
Minimum temperature for application	+ 5°C
Maximum temperature for application	+ 35°C
Working time	≥ 60' minutes
Minimum applying thickness	≥ 2 mm
Waiting time between coating	≥ 4-5 hours
Waiting time before laying of ceramic tiles	≥ 48 hours (depending on climate)
Operational time of system	≥ 7 days
Bulk density of fresh mortar	~ 1600 g/lit
Performance Data	
Initial tensile adhesion strength	0,6 MPa (EN 14891)
Tensile adhesion strength after water contact	0,65 MPa (EN 14891)
Tensile adhesion strength after heat ageing	0,63MPa (EN 14891)
Tensile adhesion strength after contact with lime water	0,60 MPa (EN 14891)
Tensile adhesion strength after contact with chlorinated water	0,80 MPa (EN 14891)
Waterproofing	no penetration (EN 14891)
Release of dangerous substances	See MSDS
Shelf life	Component A: 12 months in original intact packaging and stored in a dry place. Component B: 12 months in original intact packaging and protect from frost.
* indicative values, depending on the nature of the material and environmental conditions	



Coverage

1.4 kg per m² (sqm) per mm of thickness.



Storage

Component A: 12 months in original intact packaging and stored in a dry place. Component B: 12 months in original intact packaging and protect from frost.



Packing

Component A (powder): 20 kg bag.
Component B (liquid): 10 kg plastic jerry can.

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 PRIMALASTIC SMART is MADE IN ITALY.

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