PRIMALASTIX

ELASTIC WATERPROOFING

TECHNICAL DATA SHEET
ID Product Code 237EDPLXG20
Rev. 01/2020

for waterproofing concrete surfaces, screeds and substrates.

PRIMALASTIX is a flexible mineral two-component mortar for waterproofing concrete surfaces, plasters, screeds and cement-based substrates, ceramic and marble. With high adhesion to substrates, good flexibility and excellent workability: it is suitable for the waterproof protection of baths, showers, terraces, balconies, tubs, swimming pools, water basins, water storage tanks ,canals, before laying ceramic tiles, natural stone or glass mosaics. It can also be used to protect surfaces that come into contact with seawater and in all cases where there is presence of de-icing salt. The product is flexible even at very low temperatures (-20°C), ensuring the waterproofing of treated surfaces and is compatible with cement-based adhesives and coatings for subsequent layers

Composition

PRIMALASTIX 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 dump. 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 PRIMALASTIX 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. Use the mixture within 60 'minutes of preparing.

Apply PRIMALASTIX with a trowel in at least two layers on accurately prepared substrates. In correspondence of the edges, the corners and expansion joints to be waterproofed, both on floors and on walls, apply the nonwoven tape, incorporating it into the product. Apply the first product 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), apply within the first coat of fresh PRIMALASTIX the reinforcement mesh PRIMESH , 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. With suitable weather conditions and temperatures. In case of tiling wait at least 48 hours before applying the adhesive, or until the waterproofing system is completely dry. When laying ceramic tiles on the waterproofing system PRIMALASTIX it is recommended to use professional mono-component cement-based C2 adhesives such as MAXIFLEX, MAXISTONE or MAXIPLUS S1.

Bellinzoni
Via Mezzano 64 28069 TRECATE (NO) – ITALY Ph. + 39 0321 770558 www.primaxbuild.it projects@bellinzoni.com

MADE IN ITALY

primax®
www.primaxbuild.it

TECHNICAL DATA SHEET
ID Product Code 237EDPLXG20
Rev. 01/2020

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/m3
Maximum aggregate size	≤ 0.4mm
Component B	
Appearance	liquid
Colour	White
Density	1.1 kg/dm3
Dry solid content	52 ± 2 % p/p
Application Data	
Mixing ratio	3 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	≥ 6 hours
Waiting time before laying of ceramic tiles	≥ 24 hours
Operational time of system	≥ 7 days
Bulk density of fresh mortar	~ 1670 g/lt
Performance Data	
Initial tensile adhesion strength	0.98 N/mm²
Tensile adhesion strength after water contact	0.57 N/mm² (EN 14891)
Tensile adhesion strength after heat ageing	1.65 N/mm² (EN 14891)
Tensile adhesion strength after freeze-thaw cycles	0.82 N/mm² (EN 14891)
Tensile adhesion strength after contact with lime water	0.75 N/mm² (EN 14891)
Tensile adhesion strength after contact with with chlorinated water	0.73 N/mm² (EN 14891)
Waterproofing	no penetration (EN 14891)
Crack bridging ability under standard conditions	1.08 mm (EN 14891)
Crack bridging ability at low temperature (- 5°C)	0.88 mm (EN 14891)
Crack bridging ability at very low temperature (-20°C)	0.77 mm (EN 14891)
Release of dangerous substances	See MSDS
CE EN 14891:2012 Wate based waterproofing product liquid applied, cement modified with polymer, with improved crack-bridging capacity at very low temperature (-20°C) and resistant to contact with chlorinated water, intended for external installation on walls and floors and pool below ceramic tiles (bonded with a C2 ACCORDING TO en 12004)	
* 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
20 kg pack A+B. Component A (powder): 15 kg bag. Component B (liquid): 5 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 PRIMALASTIX is MADE IN ITALY.

Bellinzoni
Via Mezzano 64 28069 TRECATE (NO) – ITALY Ph. + 39 0321 770558
www.primaxbuild.it projects@bellinzoni.com

MADE IN ITALY