

PRIMER AZ + CT10

Technical and Environmental Sheet





NAME: PRIMER AZ + CT10
TYPE: Organic bi-component primer for interiors.
USE: for adhesion to non-absorbent support surfaces such as ceramic and grès porcelain, and for consolidation or adhesion to absorbent bases such as cement, concrete and plasterboard. To be used with the VALPAIN I-BETON PLUS system as a primer on floors and walls with a surface humidity of less than 3%

CHARACTERISTICS:
specific weight: 1,260 g/L at 20°C (ISO 2811-1)
coverage: 11.5-12 m²/kg, with one coat on tiles
9-12 m²/kg, first coat, diluted, on cement and concrete slabs or plasterboard
12-13 m²/kg, second coat, non-diluted, on cement and concrete slabs or plasterboard
(may vary depending on the roughness, porosity and absorption of the surface, and on the method of application)




colours: green
formats: 0.35 kg KIT - 0.9 kg KIT - 2.7 kg KIT
for painting over: 18-24 hours at 20°C

DRYING TIMES:
CHARACTERISTICS AND RESISTANCE: Primer offering good adhesion to the support surface. If rising damp is greater than 3% when measured with suitable tools (BM40 Hygrometer), we do not recommend applying PRIMER AZ + CT10 or the other products from the VALPAIN I-BETON PLUS line.

CHARACTERISTICS AND RESISTANCE:

| PARAMETER | STANDARD | RESULT | MARKING |
|--|------------------|--------------------------|---|
| BOND STRENGTH BY PULL-OFF TEST ON TILES | UNI EN 1542 | ≥ 10.4 N/mm ² | UNI EN 1542  ADHESION |
| BOND STRENGTH BY PULL-OFF TEST ON CONCRETE | UNI EN 1542 | ≥ 9.4 N/mm ² | UNI EN 1542  ADHESION |
| SHORE HARDNESS | ASTM D 2240 - 15 | 82 Shore D | ASTM D2240-15  SHORE D |
| WATER-VAPOUR PERMEABILITY | UNI EN ISO 7783 | Sd = 1.9m | UNI EN ISO 7783  VAPOR BARRIER |

ENVIRONMENTAL PROPERTIES:

| PARAMETER | STANDARD | RESULT | MARKING |
|-----------------------------------|----------------------|--|---|
| FREEDOM FROM DANGEROUS SUBSTANCES | - | FREE |  |
| FORMALDEHYDE EMISSION RATE, X | JIS A 1902-3 | X<0.005mg/m2h F***** |  |
| VOCs in the ready-for-use product | Directive 2004/42/CE | max. 109 g/L (EU limit 350 g/L) Cat. S/g |  |

PREPARATION OF THE SUPPORT SURFACE:

Surfaces must be free from dust, wax, grease, silicone, soap, older layers of paint, and anything else that may prevent adherence. VALPAINT I-BETON PLUS may only be applied to suitably solid support surfaces which have been cleaned, washed and degreased as needed with suitable products (acidic in nature), then thoroughly rinsed and dried (for example, with an industrial heater), in order to allow the product to adhere perfectly and prevent the potential for flaking as a result of humidity, as much as possible.

a) Tiles: grind and level tiles in ceramic, grès porcelain or similar materials with diamond discs to roughen the glaze. Then, remove all dust and powder completely with a suitable vacuum tool. Next, apply the PROMOTORE DI ADESIONE ADP across the entire surface using the spray tool. Afterwards, wipe with a cloth that has been soaked in the same product, PROMOTORE DI ADESIONE ADP, while both the cloth and the surface are wet, to encourage greater penetration. Wait for 2 hours at 20°C before applying a coat of PRIMER AZ + CT10. Do not wait for any longer than 4 hours at 20°C following the application of PROMOTORE DI ADESIONE ADP, so as not to lose its adhesion to PRIMER AZ + CT10.

b) Cement and Concrete Slabs: when applying to cement and concrete surfaces, these must have a pull-off strength of > 1.5 MPa certified in accordance with standard ASTM D4541, and a compressive strength of > 25 N/mm² pursuant to standard EN 13892-2.

c) Plasterboard: when applying to plasterboard, it is important that it should be of the highest quality, new or almost new.

PREPARATION OF THE PRODUCT:

catalysis: to be catalysed with CT10 in the following ratio: 100 g PRIMER AZ (PART A) : 54 g CT 10 (PART B)

dilution: for applications on cement and concrete slabs or plasterboard, dilute the first coat of PRIMER AZ + CT10 with:

- 100 g of PROMOTORE DI ADESIONE ADP for the 0.35 kg KIT
- 270 g of PROMOTORE DI ADESIONE ADP for the 0.9 kg KIT
- 800 g of PROMOTORE DI ADESIONE ADP for the 2.7 kg KIT

APPLICATION:

system: PV 95 medium-pile wool roller - Brush

Number of coats: 1 - 2

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APPLICATION CYCLE:

a) Tiles: A single coat of the non-diluted PRIMER AZ should be applied at 20°C and a relative humidity that does not exceed 65% RH, using a PV 95 medium-pile wool roller. While the PRIMER AZ is still wet, position the 74K PV 127 Fibre-Glass Mesh, placing the edges close together without overlapping. Take the same PV 95 roller, free from product, and pass it over the mesh to make it adhere firmly to the surface, without using any more PRIMER AZ. After 24 hours at 20°C, fill the grout lines and any holes in the surface using bi-component STUCCO SB30, applying it straight onto the mesh and using a spatula, where necessary, to slip it beneath the mesh. Leave the surface perfectly smooth and level, with no residues, lumps or lines, to avoid the need for sanding. Wait another 24 hours at 20°C before applying METEORE 14 GROSSO or MEDIO.

b) Cement and Concrete Slabs: Apply a coat of PRIMER AZ + CT10, diluted with 30% Promotore ADP, using a PV95 medium-pile wool roller. After 24 hours at 20°C and a relative humidity that does not exceed 65% RH, apply a second coat of non-diluted PRIMER AZ + CT10 with a PV 95 medium-pile wool roller. After 24 hours at 20°C, fill in any holes on the surface using bi-component Stucco SB30.

c) Plasterboard: Apply a coat of PRIMER AZ + CT10, diluted with 30% PROMOTORE DI ADESIONE ADP, using a PV95 medium-pile wool roller. After 24 hours at 20°C and a relative humidity of 65% RH, apply a second coat of non-diluted PRIMER AZ + CT10 with a PV 95 medium-pile wool roller. While the PRIMER AZ is still wet, position the 74K PV 127 Fibre-Glass Mesh, placing the edges close together without overlapping. Take the same PV 95 roller, free from product, and pass it over the mesh to make it adhere firmly to the surface, without using any more PRIMER AZ. **Application temperature:** between +15°C and +30°C. Avoid applying PRIMER AZ + CT10 in the presence of humidity (rainy or foggy days, with air humidity levels above 65%).

IMPORTANT: It is essential to respect the drying times in order to ensure the successful outcome of working with the VALPAINT I-BETON PLUS decorative system. The figures given in the catalogue, as well as in the relevant technical sheets, refer to standard, constant environmental conditions (Temperature of 20°C and Relative Humidity of 65%). Conditions other than those indicated may alter drying times, possibly significantly. Between the application of one coat and the next, always check that the relative humidity of the surface is under 3% by measuring it with the BM40 moisture measuring device for materials.

To make sure that humidity does not build up inside the room while the product is drying, we recommend using a dehumidifier suitable for the total volume of the space, potentially with a drainage pipe to convey the water into a specific container or outlet if the machine's tank becomes full.

Storage: in a tightly closed tin, even after use, at temperatures between +10°C and +30°C. **Stability:** approx. 1 year in a properly sealed, never-opened container.

NOTES: Mix thoroughly before use. Wash tools immediately after use with ethyl alcohol.

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Edition 1

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