

## METEORE 14 MEDIO (I-Beton Plus System)







### Technical and Environmental Sheet

<b>NAME:</b>	<b>METEORE 14 MEDIO</b>
<b>TYPE:</b>	natural water-based textured coating for interiors
<b>USE:</b>	designed for use with the VALPAIN I-BETON PLUS system.
<b>CHARACTERISTICS:</b>	<b>specific weight:</b> 1,710 ± 30 g/L at 20°C (ISO 2811-1) <b>viscosity:</b> 14,000 cps (EN ISO 2555) <b>coverage:</b> <b>VALPAIN I-BETON PLUS system</b> <b>SKIM-COATING:</b> 1.2-1.5 m <sup>2</sup> /L with one coat (first coat) on a smooth surface (may vary depending on the roughness, porosity and absorption of the surface, and on the method of application) <b>FINISHING:</b> 2.0-2.4 m <sup>2</sup> /L (second coat) 2.4-2.6 m <sup>2</sup> /L (third coat) (may vary depending on the roughness, porosity and absorption of the surface, and on the method of application)
	<b>granulometry:</b> 0.4 mm
	<b>aesthetic effect:</b> skim coating and finish with a medium grain
	<b>colours:</b> as per catalogue
	<b>formats:</b> 1 L / 4 L / 12 L
<b>DRYING TIMES:</b>	<b>surface-dry:</b> 6 hours at 20°C <b>for walking on:</b> 12 hours at 20°C <b>for painting over:</b> 16 hours at 20°C <b>hard-dry:</b> 18-24 hours at 20°C

**Drying times for the VALPAIN I-BETON PLUS system:** the entire system hardens after 7 days at 20°C and reaches optimal resistance to static loads after 28 days.

ATTENTION: the drying times for VALPAIN I-BETON PLUS products are essential to ensure the successful outcome of the project. Those given in the relevant technical sheets refer to standard, constant environmental conditions (T=20°C and Relative Humidity RH=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. Spraying excessive quantities of water to smooth Meteore 14 prolongs drying times. If you have any doubts, always check that the humidity is below 3%.

**CHARACTERISTICS AND RESISTANCE:** medium-grain textured coating with good anchoring properties, suitable for direct application to concrete surfaces or tiles, or over Meteore 14 Grosso.

PARAMETER	STANDARD	RESULT	MARKING
SHORE HARDNESS	ASTM D 2240	70 Shore D	ASTM D2240-15  <b>SHORE D</b>
BOND STRENGTH BY PULL-OFF TEST ON TILES	UNI EN 1542	2.22 N/mm <sup>2</sup>	UNI EN 1542  <b>ADHESION</b>
BOND STRENGTH BY PULL-OFF TEST ON CONCRETE	UNI EN 1542	1.78 N/mm <sup>2</sup>	UNI EN 1542  <b>ADHESION</b>
FREEDOM FROM DANGEROUS SUBSTANCES	-	FREE	
FORMALDEHYDE EMISSION RATE, X	JIS A 1902-3	X<0.005mg/m <sup>2</sup> h F*****	
VOCs in the ready-for-use product	Directive 2004/42/CE	max. 40 g/L (EU limit 200 g/L) Cat. A/1	

## ENVIRONMENTAL PROPERTIES:

## PREPARATION OF THE SUPPORT SURFACE:

### VALPAIN I-BETON PLUS System

**Support surfaces with up to 3% humidity:** to apply Meteore 14 Medio as part of the VALPAIN I-BETON PLUS system, follow the instructions for preparing the support surface given in the technical sheet for PRIMER AZ + CT10.

If rising damp is greater than 3% when measured with suitable tools (BM40 Hygrometer), we do not recommend applying VALPAIN I-BETON PLUS.

**Attention:** When using on floors, make sure not to create conditions under which puddles of water will form on the surfaces being decorated with the VALPAIN I-BETON PLUS system. If the gradient of the surface is not conducive to water drainage, correct it beforehand. If decorating both floor and walls, it is necessary to use Sigillante SG15 at the angles where floor and walls meet, leaving a few millimetres of thickness and creating a sort of “coving” along the entire perimeter of the floor surface being treated.

## PREPARATION OF THE PRODUCT:

**dilution:** ready to use

**colouring:** using Colori or the Valclone Paint Mixing System. Once the colouring has been added, the product must be mixed carefully for at least 3-4 minutes with an electric mixing drill, until it is perfectly blended.

## APPLICATION:

**system:** stainless steel trowel

**Number of coats:** 1 – 3

## APPLICATION CYCLE:

**SKIM-COATING:** using a PV 43 Stainless Steel Trowel, apply a skim coat of Meteore 14 Medio, creating a layer of product sufficient to cover the mesh and leave the support surface level. Next, spray the entire treated area with water using the PV 106 Sprayer, then finish it straight away with spatula strokes in all directions so as to achieve a surface which is as smooth and compact as possible in order to prevent the formation of lumps, irregular trowel marks and unevenness and to avoid the need for sanding. N.B.: For rough cement floors and walls, or in the presence of an uneven ceramic surface, we recommend using Meteore 14 Grosso instead of Meteore 14 Medio for the skim-coating, to make it easier to achieve a level result. This will provide a more structured support surface with even greater compressive strength. Meteore 14 Grosso should also be thoroughly smoothed like Meteore 14 Medio, spraying water with the PV 106 sprayer in order to avoid the need for sanding and to prevent the formation of lumps, irregular trowel marks and unevenness.

**FINISHING:** after 16 hours at 20°C, apply a second coat of METEORE 14 MEDIO, again using the PV 43 stainless steel trowel, before spraying the entire decorated surface with water using the PV 106 sprayer. Then, finish it straight away with spatula strokes in all directions so as to achieve a finish which is as smooth and compact as possible, to avoid the need for sanding. Wait another 16 hours at 20°C before applying a third coat of METEORE 14 MEDIO, using the same technique as for the second.

**N.B.:** Between coats of METEORE 14, check that the surface is perfectly smooth with no lumps, lines or unevenness. If necessary, sand with a suitable tool, choosing sandpaper with an appropriate grit size for the conditions of the surface.

After 16 hours at 20°C, apply a thin layer of OTTURAPORI OTB + CT45 using a PV 31 mohair wool roller. After 24 hours at 20°C, sand with 220/300 grit sandpaper before using the PV 31 mohair wool roller again to apply two coats of TOP COAT AR60 Lucido (glossy) or TOP COAT AR70 Opaco (matt).

**[N.B.: Before applying the product, watch the video tutorial carefully.](#)**

**Application temperature:** between +10°C and +30°C.

**Storage:** in a tightly closed tin, even after use, at temperatures between +10°C and +30°C.

**Stability:** approx. 2 years in a properly sealed, never-opened container.

**NOTES:** Mix thoroughly before use. Wash tools immediately after use with soap and water.

**Technical Sheet No. SC 00290, issued by the Quality Control Manager:**

**Edition 1**

**December 2022**