

TOP COAT AR50 SATINATO + CT80

Technical and Environmental Sheet

NAME:	TOP COAT AR50 SATINATO + CT80
TYPE:	trasparent bi-component finish with a satin effect
USE:	specially formulated to give an even, satin final effect capable of resisting chemical agents. Suitable for both walls and floors in VALPAINT E-VOLUTION EASY, VALPAINT E-VOLUTION PLUS, VALPAINT I-BETON and VALPAINT I-BETON PLUS system.
CHARACTERISTICS:	specific weight: 1,020 ± 30 g/L at 20°C (ISO 2811-1) coverage: 12-20 m²/kg with two coats on Gel EP40 + CT50 7-9 m²/kg with two coats on Meteore 12 and on Meteore 14 Medio or Fine 5.5-6.5 m²/kg with three coats on Meteore 12 and/or on Meteore 14 Medio or Fine (may vary depending on the roughness, porosity and absorption of the surface, and on the method of application) aesthetic effect: satin colours: colors from the Top Coat catalog obtainable by coloring the product with the Valclone tinting system formats: 0.4 kg KIT - 1 kg KIT - 3.3 kg KIT dust-free: 20 minutes surface-dry: 1 hour at 20°C for painting over: 6-8 hours at 20°C for public access: 72 hours at 20°C
DRYING TIMES:	

Drying times for the VALPAINT I-BETON 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 VALPAINT E-VOLUTION EASY, VALPAINT E-VOLUTION PLUS, VALPAINT I-BETON and VALPAINT 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. If in doubt, wait at least 24-36 hours between the application of one layer and the next, in order to ensure complete drying. To obtain the colours in the catalogue, TOP COAT AR50 SATINATO must be coloured using the VALCLONE Tinting System. The Top Coat must be catalysed with CT80 and mixed thoroughly before use.

CHARACTERISTICS AND RESISTANCE:

PARAMETER	STANDARD	RESULT	MARKING
RESISTANCE TO WASHING	UNI 10560	>20,000 cycles	UNI 10560 WASHABILITY
PENCIL HARDNESS	ASTM D3363	H - HB	ASTM D3363-05 HARDNESS
IMPACT RESISTANCE	-	1 kg, h = 100 cm no cracking on GEL EP40 + CT50 or on Meteore 12. 2 kg, h = 100 cm no cracking on Meteore 14.	ISO 6272-2 KG IMPACT

CHARACTERISTICS AND RESISTANCE:

PARAMETER	STANDARD	RESULT	MARKING
GLOSS*	EN ISO 2813	max. 11-30 GU on a smooth surface	-
QUVB 1000h	ISO 11507	Gloss loss of < 10%	-

*the Gloss measurement may vary depending on the roughness, colour, and general reflectiveness of the surface. The values indicated in the table were measured in a laboratory on standard surfaces.

ENVIRONMENTAL PROPERTIES:

PARAMETER	STANDARD	RESULT	MARKING
FORMALDEHYDE EMISSION RATE, X	JIS A 1902-3	X<0.005mg/m ² h F****	
FREEDOM FROM DANGEROUS SUBSTANCES	-	FREE	

PREPARATION OF THE SUPPORT SURFACE:

Always clean, degrease and sand to eliminate anything that may cause detachment. Then wash with water and suitable soaps or other specific products based on the type of support to be treated. DO NOT APPLY in case of rising damp or over paints and coatings that have not completely dried.

PREPARATION OF THE PRODUCT:

coloring: in case of coloring use Valclone tintometric system.. Once the colouring has been added, the product must be mixed carefully, until it is perfectly blended.

catalysis: to be catalysed with CT80

Top Coat AR50 should be catalysed with CT80, mixing thoroughly with a spatula and making sure that the material stuck to the sides of the can is mixed into the centre so that it is completely blended in. The CT80 catalyst is very sensitive to humidity, so once the can has been opened it must be used completely or closed with great care. They must be applied within 1 hour of mixing, during which they should be at 20°C.

APPLICATION:

system: sponge roller, mohair wool roller, by brush or by spray

number of coats: 2 – 3

APPLICATION CYCLE:

The Top Coat can be applied by brush, roller or spray, on various supports such as: wood, mdf, parquet, stainless steel, plasterboard and iron (after adequate treatment with excellent quality anti-rust).

Between the first and second coat of TOP COAT wait 6 - 8 hours at 20°C and do not exceed 24 hours. The pot-life in jars is 1-1.5 hours at 20°C and with higher temperatures, the catalysis time is reduced.

On surfaces decorated with GEL EP40, use the compact sponge roller PV 109 or 110 to apply the TOP COAT after having adequately prepared the support including sanding. When the support has been treated with METEORE 14 or already has the TOP COAT, the PV 31 Mohair wool roller must be used and even in these cases the surface must be adequately prepared and sanded.

FOR VALPAINT E-VOLUTION PLUS Marble Effect and other Decorative Effects: in order to achieve a more uniform, matte or glossy final effect, wait 18 - 24 hours at 20°C to make sure that the Gel EP40 has solidified. Sand the areas with lumps and imperfections with 400/500 grit glass paper and apply TOP COAT AR50 SATINATO (satin), using a PV 109 or 110 compact sponge Roller. TOP COAT must be catalysed with CT80 by mixing very well and application must be made within 1 hour at 20°C from mixing. Wait 6 - 8 hours at 20°C between the first and second coat. Never wait longer than 24 hours at 20°C because then the surface would need to be sanded to ensure a correct anchoring. After completing the application, in the areas in frequent contact with water (e.g. inside shower boxes and near tap fittings), seal the drains, mixers and faucets, as well as the corners between walls and floor and any ceramic skirting, etc., with a clear silicone sealant.

FOR VALPAINT E-VOLUTION PLUS Smooth Effect: after 6 - 8 hours at 20°C from the application of OTTURAPORI OTB + CT45, sand with 220-300 grit glass paper and apply two coats of TOP COAT AR50 SATINATO. TOP COAT are bi-component products and must be catalysed with CT80 by mixing very well. Application must be made within 1 hour from mixing at 20°C. Wait 6 - 8 hours at 20°C between the first and second coat. Never wait longer than 24 hours at 20°C because then the surface would need to be sanded to ensure a correct anchoring. After completing the application, in the areas in frequent contact with water (e.g. inside shower boxes and near tap fittings), seal the drains, mixers and faucets, as well as the corners between walls and floor and any ceramic skirting, etc., with a clear silicone sealant.

FOR VALPAINT E-VOLUTION EASY Marble Effect and other Decorative Effects: clean the surface after 16 hours at 20°C to remove lumps and dust and apply a thin coat of OTTURAPORI OTB + CT45 with a Mohair wool Roller PV 31. After 6 - 8 hours at 20°C sand with 220-300 grit glass paper and apply two coats of TOP COAT AR50 SATINATO. TOP COAT is a bi-component product and must be catalysed with CT80 by mixing very well. Application must be made within 1 hour from mixing at 20°C. Wait 6 - 8 hours at 20°C between the first and second coat. Never wait longer than 24 hours at 20°C because then the surface would need to be sanded to ensure a correct anchoring.

FOR VALPAINT E-VOLUTION EASY Smooth Effect: clean the surface after 16 hours at 20°C to remove lumps and dust and apply a thin coat of OTTURAPORI OTB + CT45 with a Mohair wool Roller PV 31. After 6 - 8 hours at 20°C sand with 220-300 grit glass paper and apply two coats of TOP COAT AR50 SATINATO. TOP COAT is a bi-component product and must be catalysed with CT80 by mixing very well. Application must be made within 1 hour from mixing at 20°C. Wait 6 - 8 hours at 20°C between the first and second coat. Never wait longer than 24 hours at 20°C because then the surface would need to be sanded to ensure a correct anchoring.

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FOR VALPAINT I-BETON: after 12 hours at 20°C from the application of METEORE14 MEDIO or FINE, clean the surface to remove any lumps and dust before finishing the decoration with TOP COAT AR50 SATINATO to obtain a waterproof, matt final effect. Apply two coats of TOP COAT AR50 SATINATO with a PV 31 Mohair wool Roller. Wait 6-8 hours at 20°C between the first and second coat. Never wait longer than 24 hours at 20°C.

FOR VALPAINT I-BETON PLUS: after 24 hours at 20°C from the application of OTTURAPORTI, sand with 220-300 grit glass paper and apply two coats of TOP COAT AR50 SATINATO (satin) with a PV 31 Mohair wool Roller. TOP COAT is a bi-component product and must be catalysed with CT80 by mixing very well. Application must be made within 1- 1.50 hour from mixing at 20°C. Wait 6 - 8 hours at 20°C between the first and second coat. Never wait longer than 24 hours at 20°C because then the surface would need to be sanded to ensure a correct anchoring. After completing the application, in the areas in frequent contact with water (e.g. inside shower boxes and near tap fittings), seal the drains, mixers and faucets, as well as the corners between walls and floor and any ceramic skirting, etc., with a clear silicone sealant.

Storage: in a tightly closed tin, even after use, at temperatures between +5°C and +30°C.

Stability: approx. 1 year in a properly sealed, never-opened container.

Application temperature: between +5°C and +30°C.

NOTES: Mix very well before use. Wash tools immediately after use with ethyl alcohol or water.

The shades can vary from those shown in the catalogue by 15% to 20%, and also between one batch and another.

If the batches are different, finish the work in one corner, then mix the remaining and new material in a large container before continuing with the application.

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