

TOP COAT AR70 OPACO + CT80

Environmental and Technical Data Sheet

NAME:

TOP COAT AR70 OPACO + CT80

TYPE:

transparent bi-component finish with matte effect

USE:

specially formulated to give an even, matte 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.

FEATURES:

specific weight: 1.042 ± 30 g/L at 20°C (ISO 2811-1)

yield: 12 - 20 m²/Kg two coats on GEL EP40 + CT50

7 - 9 m²/Kg two coats on METEORE 12 and on METEORE 14 MEDIO or FINE

5.5 - 6.5 m²/Kg three coats on METEORE 12 or on METEORE 14 MEDIO or FINE (it may vary depending on the roughness, porosity, surface absorption and application method)

matte

aesthetic effect: matte

colours: colours from TOP COAT catalogue obtained by colouring the product with VALCLONE tinting system.

packaging: Kg. 0.4 - Kg. 1 Kg. 3.3 KIT

dust-free: 20 minutes

on surface: 1 hour at 20°C

overpainting: 6 - 8 hours at 20°C

public access: 72 hours at 20°C

DRYING TIME:

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

IMPORTANT: the drying times of 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 work. The data contained in the technical data sheets refer to standard constant environmental conditions (T = 20°C and relative humidity RH = 65%). Conditions other than those indicated may alter drying times, even significantly. In case of doubts, wait at least 24 / 36 hours between two application coats in order to ensure complete drying. To obtain the colours in the catalogue, TOP COAT AR70 OPACO 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
WASH-OFF RESISTANCE	UNI 10560	>20,000 cycles	UNI 10560  WASHABILITY
PENCIL HARDNESS	ASTM D3363	H - HB	ASTM D3363-05  HARDNESS
IMPACT RESISTANCE	-	1 kg, h= 100cm no cracking on GEL EP40 + CT50 or on Meteore 12 2 kg, h= 100cm no cracking on Meteore 14	ISO 6272-2  IMPACT

PARAMETER	STANDARD	RESULT	MARKING
GLOSS	EN 2813	max 5 GU on smooth surface	-
QUVB 1000h	ISO 11507	Gloss loss <10%	-

*the Gloss measurement may vary depending on the roughness, colour, and in 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
ABSENCE OF DANGEROUS SUBSTANCES	-	FREE	IPA APEO FORMALDEIDE AMMONIACA FREE
FORMALDEHYDE EMISSION RATE, X	JIS A 1902-3	X<0.005mg/m2h F****	KO905 - KO906 FORMALDEIDE FREE ★★★

SURFACE PREPARATION:

always clean, degrease and sand the surface 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 are not completely dry.

PRODUCT PREPARATION:

colours:

in case of colouring use VALCLONE tintometric system. Once the colourant has been added, the product must be mixed carefully for at least 3-4 minutes until it is perfectly blended. If present, this step must be done before adding the catalyst.

catalysis:

to be catalysed with CT80

TOP COAT AR70 OPACO must 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. 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. Application must be made within 1 hour from mixing at 20°C.

system: sponge roller, Mohair wool roller, brush or spray

number of coats: 2

APPLICATION:

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 top quality anti-rust). Wait 6 - 8 hours between the first and second coat of TOP COAT. Do not exceed 24 hours. Pot life is 1-1.5 hours at 20°C; the catalysis time is reduced with higher temperatures.

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

APPLICATION CYCLE:

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 AR70 OPACO (matte), 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 AR70 Opaco (matte). 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 AR70 OPACO (matte). 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 AR70 OPACO (matte). 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.

SC 00285

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 AR70 OPACO to obtain a waterproof, matt final effect. Apply two coats of TOP COAT AR70 OPACO (matte) 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 AR70 OPACO (matte) 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.

Application temperature: higher than +5°C and lower than +30°C.

Storage: in a tightly closed can, even after use, at a temperature higher than +5°C and lower than +30°C.

Stability: Approximately 1 year in well-sealed, never opened cans.

NOTES: Mix very well before use. Wash the 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 material and the new material in a large container before continuing with the application.

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