

VALMETAL

Technical and Environmental Data Sheet

NAME:

VALMETAL

GROUP:

indoor water-based decorative coating

UTILISATION:

metallic effect decorative coating

TECHNICAL DATA:

specific weight: 2.400 – 2600 (± 30)gr/LT. at 20°C

viscosity: = = =

yield: 150-1.050 gr/mq for single layer (it may vary according to the roughness, porosity and surface absorption and to the method of application)

aesthetic effect: metallic and gloss

colours: colour chart

packaging: Kg. 0,6 – Kg. 1,2

DRYING TIME:

on the surface: 1-2 hours at 20°C

dry 2-3 hours at 20°C

on depth: 36 hours at 20°C




CARACTERISTICS AND RESISTANCE:

It is possible to create a real metallic effect using Valmetal. The product's different nuances generate aesthetically striking decorations, enhancing its perception and tactile qualities that only a precious metal can offer. When used on broad surfaces or on certain details, it adds a refined, elegant and contemporary connotation to environments.

VALMETAL is easy to apply on both smooth walls and pillars, but also on wooden doors, cupboards or cabinet doors. It can be applied with a stainless steel trowel and stencils to create a smooth or relief surface for enhancing the metallic texture, or even personalised to the utmost degree to obtain the desired effect.

After it has hardened completely, a breathable film forms that offers excellent resistance to impacts and normal abrasion.

ENVIRONMENTAL PERFORMANCES:

PERFORMANCES	STANDARD	VALUE	LABEL
ABSENCE OF DANGEROUS SUBSTANCES	-	FREE	
FORMALDEHYDE ISSUE RATE, X	JIS A 1902-3	X < 0.005 mg/m ² h F*****	
VOC ON PRODUCT TO USE	Directive 2004-42-CE	max 40 g/L (EU Limit 200 g/L) A/I Cat.	

PREPARATION OF THE SURFACE:

It can be applied on various supports, such as concrete, gypsum, fibre-cement and wood (doors, cupboard and cabinet doors), provided that the surfaces are adequately prepared and cleaned from grease, dust and old paint. It is also suitable for lime-based supports and supports attacked by moulds, salt, humidity and whatever may cause oxidation and detachment

Make sure that the support is perfectly dry then apply one coat of FISSATIVO ACRILICO 30 G TRASPARENTE fixative diluted 1:5 with water, using a brush, roller or by spraying. Wait 4–6 hours at 20°C then proceed with the application of VALMETAL

PREPARATION OF THE PRODUCT:

dilution: ready to use

APPLICATION:

N.B: to make VALMETAL denser (viscous), you can add up to 1.5% (maximum) of ADDENSANTE NH thickener. To apply the product with a brush, roller or by spraying, it must first be diluted with water and then applied in multiple layers to achieve the right thickness

system : by spatula – by brush- by roller- by spray

1) Compact Effect.

Apply three coats of VALMETAL using the PV 43 stainless steel trowel and make the support smooth and compact. Wait 2–3 hours at 20°C between the coats and, after 36 hours at 20°C, apply the final coat of VALMETAL, then smooth and polish the surface. Smooth and polish the surface with circular movements using a suitable machine equipped with a built-in vacuum cleaner to suck up the dust generated during the sanding and polishing phases. Use abrasive and polishing discs in the following ascending order: 320 / 400 / 600 / 1000 / 3000. After polishing the surface, remove the residual dust using a cloth slightly dampened with water then finish the surface with the PV 43 stainless steel trowel, moving it in all directions while exerting pressure on the support.

2) Smooth Effect.

Apply two coats of VALMETAL on the chosen STENCIL using the PV 43 stainless steel trowel and wait 2–3 hours at 20°C between the coats. The STENCIL must be removed soon after applying VALMETAL and re-applied where necessary, but must be washed and dried carefully only before applying the second or third coat of VALMETAL. After 36 hours at 20°C from the last coat of VALMETAL, smooth and polish the surface with circular movements using a suitable machine equipped with a built-in vacuum cleaner to suck up the dust generated during the sanding and polishing phases. Use abrasive and polishing discs in the following ascending order: 120 / 400 / 600 / 1000 / 3000. After polishing the surface, remove the residual dust using a cloth slightly dampened with water then finish the surface with the PV 43 stainless steel trowel moving it in all directions while exerting pressure on the support. Then apply two or three coats of STUCCO VENEZIANO 800. Wait at least 3–4 hours at 20°C between the successive coats of STUCCO VENEZIANO 800 so that the product dries properly, then apply to at the same “level” as VALMETAL. After 8 hours at 20°C from the last coat of STUCCO VENEZIANO 800, repeat the full smoothing and polishing phases as explained above.

3) Relief Effect.

Apply three coats of VALMETAL using the PV 43 stainless steel trowel and make the support smooth and compact, waiting 2–3 hours at 20°C between the coats. After 36 hours at 20°C from the last coat of VALMETAL, smooth and polish the surface with circular movements using a suitable machine equipped with a built-in vacuum cleaner to suck up the dust generated during the sanding and polishing phases. Use abrasive and polishing discs in the following ascending order: 320 / 400 / 600 / 1000 / 3000. After polishing the surface, remove the residual dust using a cloth slightly dampened with water then finish the surface with the PV 43 stainless steel trowel, moving it in all directions while exerting pressure on the support. Apply one coat of VALMETAL and after 36 hours at 20°C from the final coat of VALMETAL, repeat the complete smoothing and polishing phases as explained above.

4) Vintage Relief Effect.

Apply one coat of METEORE 10 on the support using the PV 43 stainless steel trowel and the PV 23 roller to obtain an “orange peel” effect, but slightly smoothing the more protruding parts. After 24 hours at 20°C, apply three coats of VALMETAL on the chosen STENCIL using the PV 43 stainless steel trowel and waiting 2–3 hours at 20°C between the coats. The STENCIL must be removed soon after applying VALMETAL and re-applied where necessary, but must be washed and dried carefully only before applying the second or third coat of VALMETAL. After 36 hours at 20°C from the last coat of VALMETAL, smooth and polish the surface with circular movements using a suitable machine equipped with a built-in vacuum cleaner to suck up the dust generated during the sanding and polishing phases. Use abrasive and polishing discs in the following ascending order: 320 / 400 / 600 / 1000 / 3000. After polishing the surface, remove the residual dust using a cloth slightly dampened with water then finish the surface with the PV 43 stainless steel trowel, moving it in all directions while exerting pressure on the support. Then apply one coat of C100 OVER and apply it to the same “level” as the VALMETAL using the PV 43 stainless steel trowel. Leave the parts decorated with VALMETAL as clean as possible then after 12 hours at 20°C repeat the complete smoothing and polishing process as explained above.

5) Hammered Relief Effect.

Apply two or three coats of VALMETAL using the PV 43 stainless steel trowel and, for the final layer, use the PV 23 roller to obtain an “orange peel” effect, waiting 2–3 hours at 20°C between the coats. After 36 hours at 20°C from the last coat of VALMETAL, smooth and polish the surface with circular movements using a suitable machine equipped with a built-in vacuum cleaner to suck up the dust generated during the sanding and polishing phases. Use abrasive and polishing discs in the following ascending order: 320 / 400 / 600 / 1000 / 3000. After polishing the surface, remove the residual dust using a cloth slightly dampened with water then finish the surface with the PV 43 stainless steel trowel moving it in all directions while exerting pressure on the support. Apply one coat of VALMETAL on the chosen STENCIL using the PV 43 stainless steel trowel. The STENCIL must be removed soon after applying VALMETAL.

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After 36 hours at 20°C from the last coat of VALMETAL, repeat the full smoothing and polishing phases as explained above.

6) Antiqued Effect.

Apply two or three coats of VALMETAL using the PV 43 stainless steel trowel, leaving an irregular thickness of the product and using close, non-uniform and relief trowel strokes. Wait 2–3 hours at 20°C between the coats then, after 36 hours at 20°C, apply the final coat of VALMETAL, smooth and polish the surface. Smooth and polish the surface with circular movements using a suitable machine equipped with a built-in vacuum cleaner to suck up the dust generated during the sanding and polishing phases. Use abrasive and polishing discs in the following ascending order: 320 / 400 / 600 / 1000 / 3000. After polishing the surface, remove the residual dust using a cloth slightly dampened with water then finish the surface with the PV 43 stainless steel trowel, moving it in all directions while exerting pressure on the support.

PLEASE NOTE: surfaces decorated with VALMETAL could dull or darken over time for various reasons, including: exposure to light, humidity, heat emitted from radiators and heaters or air conditioners that cool the environment. To revive and polish the surface it is sufficient to manually rub the 1000 abrasive disc over it with round movements and then finish it manually with the 3000 abrasive disc.

N.B.: before proceeding, carefully watch the video tutorial for the specific effect you wish to obtain.

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

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

Number of coatings: 1-2

Stability; 1 year approximately in well closed tin that has never been opened

NOTE:

Mix carefully the product before use . Wash tools using water and soap after use

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