

# POLVERESINA

A trowel-applied monocomponent coating based on cement, quartz and resins, coloured, hydrophobic, highly adhesive, with a very hard surface and resistance to abrasion.

It allows getting the maric finishing on walls, floors and furnishings; available in fine or coarse grain.

## TECHNICAL CHARACTERISTICS

Colour	White/Coloured
Type	Powder
Dry residue %	100
The apparent bulk density kg/l	approx. 1.55
Classification EC1999/45	IRRITANT. Carefully read the instructions contained in MSDS
Storage	12 months in dry and ventilated place
Packaging	10kg
Customs heading	38245090

## COMPOSITION AND CHARACTERISTICS OF THE MIXTURE

Dilution:	add 32% to 38% of water
Pot life:	approx. 90 minutes
Spreading rate for two coats:	approx. 1,5 kg/m <sup>2</sup> for fine-grained approx. 2kg/m <sup>2</sup> for coarse-grained
Application temprature :	+ 5°C/ + 35°C
Time between 2 coats	4 to 20 hrs. (Depends on the temperature)
Time before the finishing	4 days
Drying time	24 hrs
Curing time	4 days
pH	approx. 12

## FINAL PERFORMANCE CHARACTERISTICS

Granulometry 0 – 300 micron (28 days later EN 13892-2 N/mm<sup>2</sup>)

Compressive strength	approx. 45N/mm <sup>2</sup>
Flexural strength	approx. 10N/mm <sup>2</sup>
Resistance to abrasion (after 3.000 revolutions) EN 5470:	< 1g

## TECHNICAL INFORMATIONS

POLVERESINA is the high performance monocomponent finishing for floor, wall and furnishing coating. Its unique formulation allows getting different types of finishes, all with aesthetic, pleasant and modern features. Thanks to its easily applicable and reliable preparation method, the layer can get various types of high performance aesthetic effects: monolithic, cloudy, scratchy, spatulate and shiny surfaces on various kinds of bases. Available in 2 granulometries, it allows you to choose the desired texture without compromising the technical characteristics of product.

On one side, POLVERESINA offers the outstanding hard surface that guarantees durability and exceptional resistance to abrasion, on the other, its elevated adhesion makes it essential part of the base. The product is strongly hydrophobic to avoid that there can be infiltration of violent agents that cause a premature degradation.

POLVERESINA can be finished and got completely waterproof and stainproof with our polyurethane finishings.

POLVERESINA is compatible with polyurethane, epoxy and acrylic resins. This kind of protection makes it easy to wash with normal water based detergents.

#### **APPLICATION AREAS**

- Mainly researched for floor, wall and furnishing decoration.
- Excellent to obtain with marbled effect indoors
- Ideal for commercial and civil uses
- It assumes good aesthetic quality
- It can be also applied on priming drywall
- It allows completing various surfaces: wood panels, MDF, ceramic, drywall, fiber cement, Multilayer.

#### **DO NOT USE**

Do not use it on swimming pool, rubber, linoleum, polyurethane foam, unprimed drywall, non-cement waterproof membranes, in the presence of rising moisture.

#### **APPLICATION**

Before applying the product, make sure that it is compatible, substantial, mature and free from dust grease oils etc. In case of inconsistent and crumbly base, you must remove mechanically all parts not well fixed and rebuild the base.

Mix the product with clean water in the prescribed quantity without exceeding the stated percentage and blend it using a low speed propeller mixer until you have a smooth paste free of lumps. Let it stand about 2-3 minutes before applying to ensure a good hydration of all the elements present in the product.

It can be applied with a stainless steel spatula/trowel, or with a plastic spatula/trowel, in 2 coats with a thickness of about 1mm per coat as follows: spread a coat of POLVERESINA with a thickness of about 1mm. once it's dry, if necessary, rub it down to get a uniform surface and free of "ridges".

Proceed then with the second coat and once completely dry continue with eventual sanding.

In case of applying on floor, to make it easy to wash, it is always recommended to protect the finishing with polymeric coating.

**IMPORTANT: mix the quantity of product that is able to apply before it starts to thicken too.**

**DO NOT ADD WATER TO THE MIXTURE ONCE IT THICKENS.**

**THIS CAUSES A WEAKENING OF PRODUCT AND A DECREASE IN ITS PERFORMANCE!**

#### **WARNINGS**

The provisions and recommendations of this sheet are to be considered entirely indicative and they coincide to our daily and best experience. Hence, we suggest carrying out the tests in order to verify that this product corresponds to what is actually required and expected. We as manufacturers do not assume any responsibility of how, when and where our products are applied except of the constant quality of the material.

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