

BiPlasma 3D

Technical Data Sheet

Short Description




Bi-Component Moldable Decorative Coating For Floor



Long Description

BiPlasma 3D is a two-component moldable plastic coating for interior, formulated with special binders, thickeners and inert fillers. Suitable for tiled floors, cement floors and walls (for showers), both small and large surfaces, BiPlasma 3D is indicated for the internal finishing of ancient, modern and classic buildings, commercial establishments, luxury hotels to which you want to confer elegance and decorative originality. It's special formulation makes it seamless, very hard and very durable.

Application Methods

Summary

	product	use	dilution (water)	approx. coverage	tool	drying time	colour
base coat	Super P3D/ Stucco P3D	2 Coats with Fiber Mesh	Ready to use	1 m ² /kg		6-8 h	white
Fixative	Primer P3D	1 Coat	Dilute with 5% water	10 m ² /L		1-2 h	white
Primer	Intermedi al P3D Floor	1 (or 2) Coats	Ready to use	14 m ² /L		4-6 h	Coloured

finish coat	BiPlasma 3D	2 (or 3) Coats	Mix with catalyst and dilute up to 5 % water	6 m ² /L		4-6 h	Coloured
protective coat	Microvetro Bi	2 (or 3) Coats	Mix with catalyst and dilute 10 to 20 % water	5 m ² /L		4-6 h	Transparent (Matte, Satin or Glossy)

Please refer to below Step by Step Guide for more details.

Step by Step in Details

Step 1 (Base Coat – Super P3D)

- Apply at least 2 layers using stainless steel trowel.
- Insert Fiber Mesh on the first coat while its wet.
- Apply second coat after first coat is dry.
- If necessary, apply the third coat.
- After 6-8 hours, sand with 80/100 sanding paper.
- Remove any residual dust.

Step 2 (Fixative – Primer P3D)

- Make sure floor is dust-free.
- You may dilute Primer P3D Floor with 5% water.
- Apply the primer using roller.
- Wait 1-2 hours to dry.

Step 3 (Primer – Intermedial P3D)

- Intermedial P3D Floor is to be tinted the same colour as BiPlasma base.
- Intermedial P3D Floor has two types: P/T is for light colours & D/A is for dark colours.
- Apply Intermedial using roller
- Wait 4-6 hours to dry

Step 4 (Finishing Coat – BiPlasma 3D)

- Mix BiPlasma 3D (part A) with the Catalyst (part B) at 10% - 1kg of Bi Plasma with 100g of Catalyst.
- Once catalyzed, add up to 5% water, if necessary.
- Wait for 2-3 minutes before applying it.

- After adding Catalyst (part B), please use it within 4-5 hours.
- BiPlasma 3D has two types: P/T is for light colours & D/A is for dark colours.
- Apply the first coat of BiPlasma using stainless steel trowel, spreading the surface evenly
- After 4-6 hours, apply the second coat and if necessary, the third coat.
- After 24 hours, sand the floor with 320-500-800-1000 grits until obtaining a semi-gloss floor
- You may continue to sand with 3000-6000 grits to obtain high polished finish.

Note: It is appropriate to mix different batches of the same color in order to ensure color uniformity during application.

Step 5 (Protective Coat – Microvetro Bi)

- Mix Microvetro (part A) and Catalyst (part B).
- After adding Catalyst (part B), please use it within 4-5 hours.
- Dilute Microvetro with 20% water for the first coat and 10% water for the second coat.
- Microvetro has 3 types of glossiness: Opaca (Matte), Lucido (glossy) and 30 Gloss (Satin), each with different part B ration.
- Apply first coat using Roller.
- Wait for 4-6 hours to apply second coat.

Note: For personal home, you may not need Microvetro for high polished finish sanded up to 6000 grits, to maintain the natural glossiness.

Technical Data

Ideal Temperature of application	20 to 35°C
Relative Humidity for application	<= 50%
Dry Film Thickness	0.5 to 1.5 mm per coat
Touch Dry	2 to 4 hours (at above temperature and humidity conditions)
Completely Dry	12 to 24 hours
Density	1.55 kg/L
pH	7-8
Solid Weight	62%
Strength	40N/mm ²
Adhesion	2.7N/mm ²
Shelf Life	2 years in original tightly closed containers away from direct sunlight and excessive heat.
Min storage temperature	+5°C (41°F)
Max storage temperature	+30°C (86°F)

More Information

- The product can be colored with L'ANGELO 40X color system. It is appropriate to mix different batches of the same color in order to ensure color uniformity during application.
- For a perfect hold of the product on slippery surfaces, roughen the surface with specific paper or grinder.

- With the addition of metal powders (BiPlasma 3D Metal) it transforms every surface into a metal that the applicator can shape according to his own creativity to obtain shiny metallic finishes in metallic foil.

For more information, please kindly refer to our technical or sales representative.