

Application Datasheet

SCUDOCHROMAME 101FB OMNIBASE

Multi-purpose base coat

DESCRIPTION

SCUDOCHROMAME 101FB™ is a 2k epoxy acrylate hard top coat suitable for interior and exterior decor coatings

FEATURES

- Excellent adhesive
- Chemical Resistant
- Anti-corrosion
- High gloss
- Food compatible
- TUTTOCHROMAME compatible

TYPICAL USE

Recommended application on all porous / non porous materials

Key Characteristics

SCUDOCHROMAME 101FB™ is a type of epoxy resin with high durability and tensile strength that can withstand a lot of wear and tear, making it suitable for use in structural and -load-bearing applications.

Chemical resistance: Epoxy acrylate is resistant to many chemicals, including acids and bases, which makes it ideal for use in environments where chemical exposure is likely.

Adhesion: Epoxy resin has excellent adhesion properties, making it suitable for use as a bonding agent in a variety of applications.

Thermal stability: Epoxy resin has a high melting point and is resistant to temperature changes, making it suitable for use in high-temperature environments.

SCUDOCHROMAME 101FB™ offers a glossy laquer like finish and is about 0,2 mm thick and extremely hard.

It can be applied directly on all porous material and directly on styrofoam with corroding the substrate

Typical Applications

SCUDOCHROMAME 101FB™ has an excellent application on Styrofoam and can safely be applied directly with minimally altering the surface geometry and quality and yielding a high glossy hard surface

IMPORTANT

It can therefore be chromed with the TUTTOCHROMAME OF EXTRACHROMAME Chroming system without the need of the special preparatory primer TUTTOCHROMAME IC100B

It is also compatible with liquid food contact applications providing a waterproof hydrophobic insulating layer on vessels and liquid containers (example wine)

Physical Features at supply

Binder type	Vynyl Ester Epoxy- 2K Product
Apperance	Glossy- high viscosity liquid
Colour ^[1]	Yellow
Supply Vx	23 ± 3" CF/4 at 20°C
Flash point	No
Specific Density	1,7 g/cc at 20°C
VOC Content	< 0,01-0,02 % g/l
Total Solids (250° C / 482 ° F)	99,58%

Dry Product Features

Substrate	Styrofoam ceramic, concrete ,gypsum, terracotta , wood and all porous materials .
Dry film thickness	70-250 µm depending on the number of hands and the desired gloss level
Finish	Gloss 70 -80 %
Resistance to abrasion	4mg/cycle Taber Wear Index (ASTM D4060)
Hardness	F-H total harding after 24-36 in open air room temp
Coverage	3-4 sq.m./litre coat for thickness 70-100µm - n.2-handsby brush 5-6 sq.m./litre coat for thickness 70µm- with spray gun



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Application Data Sheet



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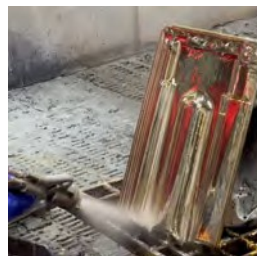
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Instructions for use

SURFACE PREPARATION	1	The epoxy resin binds extremely well with all porous material such as low density polystyrene, ceramic wood etc. The surface must be clean and dust free
	2	It can be applied directly on polystyrene without altering the stability of the surface, and provided a very hard smooth glossy coat layer up to 200 microns thick
2K MIX	3	The epoxy coating requires mixing two parts. Mix proportions are: 1 part SCUODOCHROMAME 101FB- Omnibase and 2 parts hardener SCUDOCATALYST 1FB - Catalyse 50%
APPLICATION hints	4	Epoxy resin is typically applied using a brush, roller, or spray equipment.. Shake well before use
	5	Let dry at for 30 min at ambient temperature (20-25°C) and proceed to apply TUTTOCHROMAME or EXTRACHROMAME for a shiny chrome finish (see following steps)
	6	If the mix is too dense and difficult to apply, also by spray gun it is possible to use isopropyl alcohol as thinner in 5% -10% percent weight of the mix product
	7	Allow drying in clean ambient (dust free) ambient temperature (20-25°C) for 3-4 hours and never touch the coated surfaces.
CHROME	8	Shake well the 1K TUTTOCHROMAME STD TC20 before pouring it into the HLPV spray gun) Use nozzles size 1-1,2/1,3 mm nozzle pressure 1,50 bar
	9	Apply 3 layers of TUTTOCHROMAME with crossed strokes, until the surface is completely covered. It is recommended to spray from bottom to top direction and then cross left right
	10	Let dry at 60° -70° C for 70 min, for optimal results it is recommended to attend at ambient temperature for 24 hours. The more time the solvents have to evaporate the higher will the reflectivity will be (it can reach 90%- 95% spherical reflectivity)
TOP COAT	11	Apply CLEARTOP MT300(100%) + CLEARCATALYST MT936 (40%), mix ratio 5:2 with a HLPV spray gun (or normal spray gun) nozzles 1,2 -1,3 mm nozzle pressure 1,50 bar 217,5 psi
	12	If special coloring is required CME Pigments are to be added to CLEARTOP MT300(100%) + CLEARCATALYST MT936 (40%) according to the Mix ratio % specified for each CME Pigment on the bottle label
	13	Let dry at 60° -70° C for 1 hour or at room temperature 12-24 hours The product can be handled and packaged and wrapped after 3 hours.
	14	Always apply a second layer of CLEARTOP MT300(100%) + CLEARCATALYST MT936 (40%) after color coating for a high quality glossy and durable finish



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Material Safety
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CAUTION This product is for professional use only. The applicators and operators shall be trained, experienced and have the capability and equipment to mix/stir and apply the coatings correctly and according to ChromaMe technical documentation. Applicators and operators shall use appropriate personal protection equipment when using this product.

HEALTH AND SAFETY Please observe the precautionary notices displayed on the container and on MSDS Material Safety Data Sheets for each product. Use under well ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought.

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