

## DECORATIVE TOPCOAT FLAT | TECHNICAL DATA SHEET | DIN 19266

Interior/Exterior | Protective Coat for Romabio Decorative Paints & Plasters

### PRODUCT FEATURES

DECORATIVE TOPCOAT FLAT, is a polyurethane water-based Clear Finish, for protecting interior and exterior surfaces treated with decorative finishes, lime paints and plasters, and other water-based paints.

Its non-yellowing formulation improves the traffic and stain resistance of decorative paints and plasters to allow easy cleaning of surfaces with mild detergent and water solutions. A fast-drying product, usually applied in 1-2 coats, DECORATIVE TOPCOAT FLAT has excellent flow and adhesion properties.

### FIELDS OF APPLICATION

DECORATIVE TOPCOAT FLAT is a polyurethane emulsion with modified wax-based interior and exterior protective paint in an aqueous dispersion. DECORATIVE TOPCOAT FLAT can be applied in 2 coats as a protectant on:

- Romabio decorative paint & lime plaster finishes
- Surfaces previously treated with organic decorative coatings
- Interior mineral finishes and cured plasters
- Interior organic finishes and cured plasters
- Paints, enamels and varnishes that are water-based.

### SYSTEM LIMITATIONS

DECORATIVE TOPCOAT FLAT, it is not suitable for commercial and industrial use or industrial floors or to protect the surface from scratches. DECORATIVE TOPCOAT FLAT should **NOT** be applied on:

- linoleum
- pre-finished wooden flooring
- glass surfaces and glass blocks
- surfaces with rising damp, salt bloom, saltpeter, oils or wax
- frequently moist surfaces, sinks or tubs

### SHEEN/FINISH

Extra flat < 4 gloss

Due to the extra flat finish, apply on matte surfaces you do not want to excessively alter. If there are concerns, test a small area first.

### COLOR

Transparent

**WARNING:** DECORATIVE TOPCOAT FLAT may change the color or finish effects slightly. **ALWAYS** perform a test and allow to dry before continuing with the complete project.

### TOOLS

Brush (synthetic bristles), Roller (flocked, mohair or with 6-8mm pile), or Sprayer

### PACKAGING

Plastic Buckets 1 Liter (1 Quart), 2.5 Liters (0.67 Gallon)

### STORAGE

Store in a cool, dry place with temperatures between +40°F and +90°F and always keep protected from frost. Close the open containers with care. DO NOT store diluted product.

### SHELF LIFE

The packaged product can be stored for 36 months, if stored properly.

### COVERAGE

Approximate coverage for 1 coat\*

1 Liter/1 Quart: 100 - 125 sqft

2.5 Liter/0.67 Gallon: 270 - 320 sqft

*\*Actual coverage will vary depending upon application method, surface texture, and absorption. Test product on actual surface to determine accurate consumption.*

### CONDITIONS FOR APPLICATION

Protect the surfaces from freezing and thermal shocks during the entire application and drying process.

Do not apply in direct exposure to strong/hot sunlight, rain, mist, high humidity (> 80%), at dew-point formation, or in the presence of strong wind. Beware of the danger of frost overnight.

The required environmental and substrate conditions for the application of the DECORATIVE TOPCOAT FLAT are:

-Air and Ambient temperature: Min. 50 °F / Max. 90 °F

-Relative ambient humidity: <75%

-Substrate temperature: Min. 50 °F / Max. 90 °F

-Relative humidity of the substrate: < 4%

**Failure to observe these defined conditions may cause flaws or defects in the physical and chemical characteristics of the products and affect the aesthetic performance.**

### DILUTION/MIXING RATIO:

The product is ready to use. It is recommended to mix well before use.

Only if necessary, it can be diluted with a maximum of 10% water. (1 part product to 1/10 part water)

### APPLICATION

Be sure all surfaces are clean, dry, compact and free from flaking, salt bloom, moisture, wax, oil and dust before starting.

For **Interior Mineral Surfaces** - apply the 1<sup>st</sup> and 2<sup>nd</sup> coat in an even layer with brush roller or sprayer, protecting surrounding surfaces as necessary. Allow to dry approx 6 hours between coats.

For **Exterior Mineral Surfaces** - consider applying a 3<sup>rd</sup> coat

### DRYING TIME/CURING TIMES

(at 25 °C / 77 °F and 65% R.H.):

- Dust free: at least 1 hour

- To touch: at least 4 hours

- Recoat: after 6 hours

Complete curing usually occurs within 7 days.

*All drying times depend on climatic conditions, temperatures, film thickness, ventilation, humidity and application methods.*

### TOOL CLEANING

Brush, roller or spray machine should be cleaned immediately after use with water and a mild detergent or dish soap.

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### MAINTENANCE

DECORATIVE TOPCOAT FLAT can be cleaned with dry or slightly damp cloths. For stubborn stains, it is advisable to wash with cold or warm water.

DECORATIVE TOPCOAT FLAT presents a good resistance to household non-aggressive (neutral) detergents and cleaners. Before utilizing any detergents, it is advisable proceed with a preliminary test over a small part of the substrate. Follow these guidelines for selecting a cleaning agent:

- Do not use ethyl alcohol as a detergent
- Do not use abrasive tools or highly alkaline detergents
- Do not steam clean the surface

In the event damage occurs to the superficial layer, another coat can be applied.

### SAFETY RECOMMENDATIONS

Limit value EU (Dir. 2004/42/CE)

Cat. A/I: Decorative effect coatings (water-base): 200 g/l (2010)

DECORATIVE TOPCOAT FLAT Contains max: 3.00 g/l VOC

During the preparation of the substrate and application of the products, it is recommended the correct use of tools and individual protective devices (dpi).

**Good ventilation is required in confined areas to ensure proper drying.** Even in the case of adequate temperatures, always monitor the relative humidity of the air which must not exceed 80% and in any case leave the area ventilated during the drying phase

The product does not require the label as per the D.L. 65 dated 14/03/03 and following corrections. Use the products as per the security and hygiene procedures rules. Keep the product away from children. In case of contact with eyes, wash them immediately with water. In case of ingestion of the products, consult immediately a doctor showing him the can or the label of the product.

### WATER CONTAMINATION HAZARD

#### Class 1

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of information required by the CPR, and it is classified as a non-hazardous material.

### PRODUCT CONTAMINATION HAZARD

CODE CER / NORMATIVE EAC / Decision commuted by the Commission n. 2000/532/CE

### TECHNICAL DATA

CRITERIA	INT. STANDARD	VALUE	Unit
TVOC & VOC	2004/42/CE	3,00	g/l
pH Value	DIN 19266	7,5- 8	-
Type of binder	polyurethane emulsion with modified waxes		
Specific Gravity (23°C)	EN ISO 2811-2	1.00 ± 0.05	Kg/ml
Viscosity	UNI 8902	2000± 200 at 25 °C	cps
Gloss Level	UNI EN ISO 2813 reading angle 85°	< 4 gloss	Flat
Wet scrub resistance	ISO 11998	1	Class

#### WARNING!

**Protect eyes and skin from splashes of paint. Cover glass, ceramic, natural stone, brick, metal, wood, painted surfaces and glazed tiles. Clean affected areas immediately with water. Prominent elements lead dust. LEAD IS TOXIC. EXPOSURE TO LEAD DUST CAN CAUSE SERIOUS ILLNESS, SUCH AS BRAIN DAMAGE, ESPECIALLY IN CHILDREN. PREGNANT WOMEN SHOULD ALSO AVOID EXPOSURE. Wear a NIOSH-approved respirator to control lead exposure. Carefully clean up with a wet mop or HEPA vacuum. Before you start, find out how to protect yourself and your family by contacting the U.S. EPA/Lead Information Hotline at 1-800-424-LEAD (5323) or log on to [www.epa.gov/lead](http://www.epa.gov/lead).**

**Keep out of reach of children.**

### DISPOSAL

Use the product according to current standards of hygiene and safety after use, do not litter containers, allow the residue to dry and treat them as special waste.

Do not empty into drains, water courses or onto the ground. Do not enter product in its original concentration into drains or open waters. Do not store at public waste disposal sites. In case of conduction into adapted biological purification plants no disturbances need be expected. The preparation has been estimated by conventional method (calculated-procedure) of EG directive 1999/45/EG and is classified as non-hazardous for the environment. Dispose according to local regulations. Empty cans should be disposed of according to local regulations; plastic buckets are 100% PP, no. 5. **For more information see the Safety Data Sheet.**

This Technical Sheet lists data collected on the basis of technique and experience. Given the multiplicity of use of the product they cannot be binding. This information shall not constitute any legal obligation and no obligation from the seller or point of purchase, or any agreements inferred by employees who sale this product. Check the exact consumption of product for the surface where product may be applied to determine the amount of product needed. The color matching must be verified by the user before starting work. No refunds or exchanges will be provided for tinted products after they have been consumed or applied. **The present sheet voids and replaces any previously existing sheets.**