COLORIFICIO CENTRALE S.r.l.
Via Industria 12,14,16 Torbole
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Tel. +39 030 2151004
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MAKE DESIGN
TRANSPARENT MAT RESIN

TECHNICAL DATA SHEET

TECHNICAL CHARACTERISTICS

MAT two-component water resin, perfect as a protective coating for interior and exterior flooring, guaranteeing durability and ease of maintenance.

AREAS USES

Ideal product as a transparent acrylic finish, suitable both for application as a thin anti-dust layer on new, rough or untreated concrete floors, and as a transparent protection on existing colored surfaces, improving strength and durability in both indoor and outdoor environments.

Classification according to Directive 2004/42/EC - Legislative Decree 161/06: Cat. T/S: High-performance two-component paints. EU LIMIT VALUE 140 g/l (2010) – The product contains max.: 122.4 g/l.

KEY FACTS

System: Two-Component 2K
Nature: Water
Available packages: 0.750 L - 2 L

SUBSTRATE PREPARATION

- **New Flooring:**
  For optimal application, check the absorption of the substrate by pouring water on the surface of the cement. If the water is quickly absorbed, the substrate is ready for coating. Otherwise, if the substrate is not porous enough, perform a chemical treatment by washing the floor with a solution of 1 part cleaning acid and 9 parts water. After the reaction, rinse with water and, after drying, proceed to dyeing.

- **Already painted floor:** Remove old paint that is not well adhered to and any residues that do not comply, such as oil, grease, tire marks and fragile material, by mechanical action.

APPLICATION

APPLICATION TOOLS: SHORT HAIR ROLLER – BRUSH

VISCOSITY: -

INJECTOR: -

AIR

PRESSURE:-

Application Conditions:
We recommend using a roll with a short pile of ripoline. For proper mixing of the product with the catalyst, follow these instructions: pour the catalyst (Component B) into the base (Component A) and mix with an electric mixer at 300-400 rpm. Avoid partial mixing and do not use water to wash the catalyst packaging. After catalysis, dilute with water and apply. Failure to comply with these guidelines may result in uneven finishes and uneven gloss.

CATALYSIS

PRODUCT: RESIN CATALYST – SYS. B

CATALYSIS: 20% by weight (100 + 20)

USE AND FORM : Non-yellowing for water-based polyacrylates, 0.12 L - 0.32 L.

SHELF LIFE OF THE MIXTURE at 20°C: 90´minutes

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ENVIRONMENTAL CONDITIONS

AMBIENT TEMPERATURE : 10°C - 35°C

SUBSTRATE TEMPERATURE : 10°C - 35°C

RELATIVE HUMIDITY: 60 %

STORAGE STABILITY: Store in the original sealed package at +5 /+ 35°C. Away from frost.

TECHNICAL PARAMETERS

THEORETICAL AVERAGE YIELD: 0.750 L = 10 m2 / 2 L = 25 m2

APPLICATION: Roller or brush

DILUTION: 10% with water

GLOSS GRADE: 5-10 mm **GLOSSY**

LIQUID THICKNESS PER LAYER: 93 m

DRY THICKNESS PER LAYER: 40 m

LAYER NUMBER: 1-2 layers until the required total thickness is reached.

TOTAL DRY FILM THICKNESS: 60 m

DRY

REPAINTING PERIOD: 4 - 24 hours

AIR TEMPERATURE: 20°C

DRY OFF DUST : 40´- 60' Minutes **DRY TO**

TOUCH: 3 - 4 hours **DEEP DRY:** 24 - 48

hours **FULL CURING:** 7 days

TEMPERATURE RESISTANCE: 80°C

WARNINGS AND RECOMMENDATIONS

- Apply only to floors with temperatures above +10°C.
- The moisture content of the substrate should not exceed 4%.
- Perform the plastic sheet test (ASTM D 4263-83) to detect rising moisture.
- The minimum resistance of the floor must be 25 N/mm² (compression) and 1.5 N/mm² (traction).

TECHNICAL FINISHING DATA

Composition: *Acrylic Polyurethane*
Reference Color: *Transparent*
% of solids by weight: *41 ± 2%*
% solids by volume: *38 ± 2%*

COV: *76 ± 2 g/l*
SLEPT: *7.3 ± 2%*

PARAMETERS	ELEMENTS	METHOD
VISCOSITY	150 - 300 mPa.s (20°C) This 3 Speed 20	ISCOL 1
SPECIFIC GRAVITY	0.90 - 1.10 g/ml	ISCOL 2
SHINE	1 - 10 gloss 60°	ISCOL 6
PH	7.50 - 8.50 pH	ISCOL 11

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MIXING RATIO OF A+B COMPONENTS

Catalytic Specific Gravity (A+B): 1.06 ± 0,05 g/ml
% solids by weight (A+B): 45 ± 2%
% of solids by volume (A+B): 43 ± 2%
COV (A+B): 122 ± 2 g/l
SOV (A+B): 12 ± 2%

METHOD	CATALYSIS RATIO
A+B BY WEIGHT	100 + 20
A+B BY VOLUME	100 + 19

NOTE

Health labeling: Handle products with care. Always consult the product's safety data sheet and adhere to applicable national and local regulations regarding personal and environmental safety.

Additional Notes:

- The data is based on Make Design materials and raw materials. The use of different solvents or catalysts can compromise performance and hardening. Compliance with mixed cycles is not guaranteed.
- Drying times refer to 20°C, unless otherwise indicated.
- Yields are theoretical and may vary depending on color and application system. A practical exam is recommended.
- The shelf life of the container is estimated at 20°C and may vary depending on temperatures, catalysts or environmental conditions.