

Clear Finish Bi-Component

Bi-component Polyurethane Protective Resins for "Wall2Floor" System

DESCRIPTION

Clear Finish Bi-Component is a polyurethane water-based resin to be used as a protective coat. It is available as Glossy, Satin and Matt. **Clear Finish Component B** is a last generation HDI hardener, formulated with polyisocyanates aliphatic, with a content of monomer HDI < 0,1 % in weight.

USES

Protection of vertical and horizontal surfaces of **Wall2Floor system**.

CHARACTERISTICS OF IDENTIFICATION

Density of the mixture: 1.04 gr/ml +/- 3%

Clear Finish Bi-Component complies HACCP requirements according to of Reg. CE 852/2004

Classification indoor quality: A+

PERFORMANCES

Gloss UNI EN ISO 2813:

Clear Finish Glossy: >85, angle of reading 60°

Clear Finish Satin: 20 ± 2, angle of reading 60°

Clear Finish Matt: 10 ± 2, angle of reading 85°

Surface Resistance To Cold Liquids EN 12720:2013

/ = not necessary

- = not envisioned by the CEN/TS 16209 Standard

5 = no change

4 = minor change visible only under reflected light

3 = small change visible from several viewing directions

2 = marked change or slight surface degradation

1 = pronounced change or marked surface degradation

PRODUCTS	CONTACT TIME						
	24 hours	16 hours	6 hours	1 hour	10 min.	2 min.	2 sec.
Acetic acid (aqueous sol. 10%)	-	2	-	5	-	/	-
Acetone	-	-	-	-	4	-	5
Ammonia (aqueous sol. 10%)	-	4	-	5	-	/	-
Citric acid (aqueous sol. 10%)	-	5	-	/	-	/	-
Detergent solution	-	5	/	/	/	/	-
Coffee	-	2	2	3	5	/	-
Ethanol (aqueous sol. 48%)	-	-	5	/	/	-	-
Paraffin oil	5	/	/	/	/	-	-
Distilled water	5	/	/	/	-	-	-
Basic perspiration	-	-	-	5	-	-	-

Class B within 1 hour
Class D according to CEN/TS 16209

SUBSTRATE PREPARATION

See the technical data sheet of the "Wall2Floor System".

APPLICATION TECHNIQUE

See the technical data sheet of the "Wall2Floor System".

PREPARATION

Blend **Clear Finish A** in order to avoid sediments.

Add slowly **Clear Finish B** into **Clear Finish A** while mixing manually for 45-60 seconds approximately. You can also mix with a slow speed drill for 1 minute approximately.

The mixture must not contain lumps, portions of the two components unmixed, impurities.

Mixing ratio by weight: 10 parts of component A + 3 parts of component B.

DILUTION

When the mixture is complete (2,500 l of component A + 0,750 l of component B), proceed with the dilution with 0,300-0,400 l of water.

With a package of A+B properly diluted, you can cover 20-22 m² approximately, in two layers.

Pot life: 60 minutes

WARNINGS

Before applying each layer of Clear Finish, it is advisable to filter the mixture using a with a filter with a mesh opening 40 to 90 microns.

The extended contact with soaps, oils, creams and liquids in general or wet objects, might generate stains or rings on the surface.

RECOMMENDATION

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

Keep the product protected from intense heat or from temperature lower than +5°C. If stored to as temperature close to +5°C, it is suggested to keep the product in an area with a temperature not lower than 10°C.

Do not heat the products using a direct source of heat, flame, hot body or similar.

Low temperatures increase the viscosity in the bucket making it difficult to use and extend or inhibit the drying and hardening process of the various products.

If possible, use the same batch of production. If different batches of production are used, it is recommended to mix them in order to avoid slight different shades.

TOOLS CLEANING

With water.

YIELD

6-7 m²/l in two layers, depending on the texture required and on the substrate absorption.

COLOURS

Transparent, cannot be tinted.

PACKAGES

Clear Finish Matt A: 2,500 l

Clear Finish Satin A: 2,500 l

Clear Finish Glossy A: 2,500 l

Clear Finish B: 0,750 l

SHELF-LIFE

The packaged products, if stored in its original and sealed package in a covered warehouse, at temperatures between +10 and 30°C, are guaranteed for 24 months.

INSTRUCTION

EU directive 2004/42/CE:

Clear Finish Bi-Component (bi-component paints with high performances)

EU limit value for Clear Finish Bi-Component (cat A/j): 140 g/l (2010)

Clear Finish Bi-Component contains maximum 140 g/l of V.O.C.

It contains isocyanate: see the manufacturer's technical data sheet.

Harmful if inhaled / Irritating to respiratory system / may cause sensitization by skin contact / Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The product must be transported, used and stored in accordance with the standards in force regarding hygiene and safety; let the residues dry out completely and treat them as special waste.

For more information see the safety data sheet.

N.B. - NOVACOLOR guarantees that the information herein is provided to the best of its technical and scientific knowledge and based on its experience; nonetheless, the company may not be held liable for the results obtained using these products, as application conditions are beyond its control. It is recommended to always make sure that the product is suited to each specific instance. The present sheet voids and replaces any previously existing sheets.