

DEKOSIL

*Transparent final coating (lacquer) and methacrylate based primer
In compliance with EN 1504-2: 2004: 5.1 (C)*

FIELD OF APPLICATION

Protective final coating for floor and wall substrates with glossy and wet effect. It is used as lacquer that impregnates and improves the physical resistance of porous substrates: mortar, concrete and stone. As primer it improves the adhesion to the substrate and as additive it improves the properties of the methacrylate, solvent based systems: Adingmarker P, Adingkolor RF, Antikorozin BR and Adingkolor RB. As final coating for concrete substrates with closed final structure like Poding K or stamped concrete, it is not used for outside substrates, exposed to moisture, low temperatures and unfreezing salts. Dekosil form film that is not vapour permeable and the closed moisture in the substrate result with peeling the coating.

PROPERTIES

- One component transparent coating;
- It closes the final structure of the substrate and improves the physical and mechanical characteristics of the substrate;
- Excellent adhesion;
- Resistant to petroleum and petroleum products;
- Watertight;
- Improves the abrasion resistance;
- UV stabile;
- Low consumption;
- Easy to apply,

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	visual	glossy transparent coating
Density (at 20°C)	EN ISO 2811-1	0,92-0,98g/cm ³
Adhesion to the substrate/ Bond strenght by pull-off test	EN 1542	≥ 2,0MPa
Water absorption	EN 1062-3	w≤0,1kg/m ² h ^{1/2}
Abrasion resistance	-	< 3000mg
Impact resistance	EN ISO 6272-1	class II ≥10Nm
Resistant to freeze/thaw cycling with icing salts	EN 13529	without cracks and separation
UV resistance	-	resistant
Period between two layers on 20°C	-	8h
Curing time on 20°C		
Touch dry	-	60min
Hard dry	-	150 min
Substrate and air temperature during the application	-	5-35°C
Relative air humidity	-	< 70%
Mechanical use for walking and for heavy transport, on 20°C	-	after 3 days
Chemical use	-	after 7days

METHOD STATEMENT

SUBSTRATE PREPARATION

The substrate for application of Dekosil should be sound, dry and clean, without grease, dust, condensate and unstable parts, with structural moisture lower than 7% and it must be resistant to solvents. Air and substrate temperature should be between 5-35°C and the relative air humidity lower than 70%.

APPLICATION

As impregnation

According to the porosity of the substrate, dilute Dekosil using 10-20% Rastvoruvac P (Solvent P). Apply it using brush, fur roller or by spraying in one or two layers.

As lacquer

Apply Dekosil in two or three layers using brush, roller or by spraying, using airless pump. The product can be diluted with 5-20% Rastvoruvac P (Solvent P). The application of the second layer is intended to be applied on totally cured previous layer, approximately 8h after the application, on 20°C. Protect surfaces coated with Dekosil of wind, rain and dust 12h after the application.

As primer

To use Dekosil as primer for solvent based systems (Adingmarker P, Adingkolor RF, Antikorizin BR, Adingkolor RB), according to the porosity of the substrate, dilute the product using 20-30% Rastvoruvac P (Solvent P). Apply Dekosil using brush, roller or by spraying.

As additive

Dekosil in the methacrylate based products improves the properties and the glossy effect of the final coating. Depending to the needs, it is recommended to add 25-50% Dekosil. First mix Dekosil and the methacrylate based product separately and then mix them together until the mixture homogenize. Apply using brush, roller or by spraying, according to the recommendations given in the technical data sheets of the methacrylate systems: Adingmarker P, Adingkolor RF, Antikorizin BR and Adingkolor RB.

CONSUMPTION

Used as primer or as impregnation, for one layer- 0.15-0.20kg/m²

Used as coating, for two layers- 0.3-0.6kg/m²

Used as additive 25-50%, depending of the required glossy effect

CLEANING

Clean tools and equipment right after the application, using Solvent P.


PACKAGING

Metal cans: 3 and 15 kg

STORAGE

In the original, closed packaging, at temperature between 5°C and 35°C. The product must not be exposed to direct sun and freezing. Shelf life: 9 months.

CE MARKING

 2032	
ADING AD Skopje , Novoselski pat (ulica 1409) br. 11, 1060 Skopje Macedonia 17 2032 - CPR - 11.5C	
EN 1504-2:2004 DEKOSIL Coating for surface protection and improvement of concrete	
Adhesion strenght by pull-off test :	≥2.0MPa
Capillar absorption :	w<0.1kg/m ² h ^{1/2}
A brasion resistance:	<3000mg
Impact resistance:	Class II ≥10Nm after loading, no cracks, no delamination
Reaction to fire:	Euroclass F
Dangerous substances:	NPD

Health hazards: Avoid contact of the product with skin and eyes, as well as direct inhalation. In case of accidental contact, the product should be removed immediately with dry towel or mildly wetted towel with Solvent P. Then, wash the spot with pure water and soap. If the material has been splashed into eyes, immediately rinse it with pure water and call for medical help. Ventilate the room where you use resins and solvents.

Fire: The product is not flammable.

Cleaning and disposal: Loose residues of Dekosil are cleaned with Solvent P. The old and used packing should be discarded in accordance with the local relevant regulations.

We recommend that the method of application and the necessary quantities should be adjusted to the conditions on site, as well as mandatory use of appropriate equipment.