

# DEKOSIL

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

## FIELD OF APPLICATION

Product with wide range of application areas, used as final coating (lacquer) for mortar, concrete, stone, marble, as surface impregnation and protection of ice, salts and mild chemical aggression. As primer it is used in systems that contain solvents to improve the adhesion between the substrate and the following solvent based coating. It is used as well as supplement in methacrylate based systems to improve the quality of the coating and to achieve final coating with improved gloss effect.

## PROPERTIES

- One component transparent coating
- Excellent adhesion to the substrate
- It closes the final structure of the substrate
- Improves the physical and mechanical characteristics of the substrate
- Resistant to weather exposure
- Resistant to salts, petroleum and petroleum products
- Non- toxic when cured
- Watertight
- Resistant to abrasion
- UV stabile
- Low consumption
- Easy to apply
- Easy to maintain

## TECHNICAL FEATURES

| PROPERTY  | METHOD        | DECLARED VALUE                          |
|---|---------------|---|
| Appearance  | visual        | glossy transparent coating              |
| Density (at 20°C)   | EN ISO 2811-1 | 0,9-1,0g/cm <sup>3</sup>                |
| Adhesion to the substrate/ Bond strenght by pull-off test   | EN 1542       | ≥ 2,0MPa                                |
| Water absorption  | EN 1062-3     | w≤0,1kg/m <sup>2</sup> h <sup>1/2</sup> |
| Abrasion resistance   | EN ISO 5470-1 | < 3000mg                                |
| Impact resistance   | EN ISO 6272-1 | class II ≥10Nm                          |
| Resistant to freeze/thaw cycling with icing salts           | EN 13529      | without cracks and                      |
| 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 the top layer of the substrate must have open structure. It must be resistant to solvents.

#### Concrete substrate

The concrete should be at least 28 days old and must have compressive strength higher than 25MPa. Cement laitance, mortar, paint and grease must be removed mechanically or using chemicals. Finally clean the substrate of dust using industrial vacuum cleaner.

#### Old concrete substrate

The substrate must be sound and clean to provide excellent adhesion. Remove cement laitance mechanically. Penetrated grease and dirt into the substrate must be removed using detergents or special products for the intended use. Damages of the substrate must be repaired using suitable materials.

#### Substrate with existing coating

The existing coatings on the substrate, where application of Dekosil is intended, must be resistant to solvents. The adhesion of the existing coatings to the substrate must be excellent to prevent losing (peeling) the following layers. In case of unacceptable adhesion between the substrate and the existing coatings, it is mandatory to remove them all and renew them before Dekosil is applied. Dekosil is intended to be applied directly on the substrate resistant to solvents when transparent final coating (lacquer) is required.

### APPLICATION

Apply Dekosil in two or three layers using brush, roller or by spraying, using airless pump. The product can be diluted with max. 5% Rastovruvac P (Solvent P). The application of the second layer is intended to apply on full 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.

#### Primer

When Dekosil is applied as primer for solvent based systems, according to the porosity of the substrate, dilute the product using 10-20% Rastvoruac P (Solvent P). Apply it using brush, roller or by spraying in one or two layers. The application of the following layer of Dekosil is intended to apply on full cured previous layer.

## CONSUMPTION

Used as primer, for one layer- 0.15-0.20kg/m<sup>2</sup>

Used as coating, for two layers- 0.3-0.6kg/m<sup>2</sup>

## 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

|  |  |
|--|--|
| <br>2032                    |  |
| ADING AD Skopje, Novoselski pat<br>(ulica 1409) br. 11, 1060 Skopje<br>Macedonia<br>17<br>2032 - CPR - 11.5C |  |
| <b>EN 1504-2:2004</b><br><b>DEKOSIL</b><br>Coating for surface protection and improvement of concrete        |  |
| Adhesion strenght by pull-off test :   | ≥2.0MPa  |
| Capillar absorption :  | w<0.1kg/m <sup>2</sup> h.1/2                                   |
| Abrasion resistance:   | <3000mg  |
| Impact resistance:   | Class II ≥10Nm<br>after loading, no cracks,<br>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.