

# ADINGKOLOR RB

*Final coating based on synthetic resin and solvents, used as paint for pools*

## FILED OF APPLICATION

Adingcolor RB is decorative and protective final coating for concrete, reinforced concrete and mortar surfaces exposed to direct contact with water and weather exposure. It's used as paint for pools, fountains and similar constructions exposed to direct and constant water contact. Adingcolor RB is also used as final coating for prefabricated concrete elements used in direct water contact (tubs or similar).

## PROPERTIES

- excellent adhesion to the substrate;
- high resistance to abrasion;
- high mechanical resistance;
- resistant to chemicals used for disinfection of water;
- high resistance to diluted acids, bases, salt dilutions and mineral oils;
- carbonisation protection of the concrete;
- watertight;
- not toxic when cured;
- bacteriologically resistant;
- decorative- available in different colours;
- simple application;
- easy to maintenance.

## TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	-	colored coating
Bulk density	EN ISO 2811-1	1,1-1,2g/cm <sup>3</sup>
Bond strength by pull-off test/ adhesion	EN 1542	≥ 2,0MPa
Coating elasticity	MKS.3.S2.240	without cracks and peeling
Resistance to ice and salts	MKS.3.S2.240	without cracks and peeling
UV resistance	-	without changes
Period of time between two layers, on 20°C	-	5-6h
Dry period, on 20°C	-	40-45min
Substrate and air temperature at application	-	10-35°C
Use	-	after 7 -14 days , according to the temperature

## METHOD STATEMENT

### SUBSTRATE PREPARATION

Before the application of Adingcolor RB all the construction works and installations must be completed. The construction must be waterproofed because the coating is not resistant to negative hydrostatic pressure. For inside insulation it is recommended to use one component, cement based waterproofing Hidromal. The substrate should be sound, dry, clean, dust and grease free, without condensate and with maximal moisture of 7%. Adingcolor RB is applied as thick paint coating, which outline the texture of the substrate. In order to avoid the unequally textured coating, we recommend application on substrates with fine texture. Optimal substrate temperature is between 10°C and 35°C and relative air humidity under 65%. To prevent fast evaporation of the solvent that result with difficulties in application and forming seemingly dry layer on the final

surface, it is not recommended application on temperatures over 35°C. In case of not completely dry layer of the coating (paint), it can damage.

#### New concrete substrate

Concrete must be cured at least 28 days, with minimum compressive strength 25MPa. Cement slurry, mortar, stains of paint and oil should be removed of the substrate. Finally, clean the dust of the substrate using industrial vacuum cleaner.

#### Old concrete substrate

In order to achieve an excellent adhesion to the substrate, it must be sound and clean. The cement slurry should be removed mechanically. Penetrated grease and dirt into the substrate should be removed using detergents or special agents. All cracks and damages on the substrate should be repaired, using suitable materials.

#### Old coating substrate

Adingcolor RB can be applied on substrates with existing coating, only when the coating, used before is solvent based, firm and stable. Before the application of the new coating, the adhesion between the existing coating and the substrate must be tested when it is suitable base for the new layer. When this test doesn't pass, the old paint layers must be removed mechanically. When the adhesion between the existing layer and the substrate is good, it's recommended to treat the surface with old paint, using sandpaper. Clean the surface of dust, using dry method. Then, apply Adingcolor RB on testing fields, to prove the contact of the existing layers and the new coating. The application of the material to the entire surface is required by the adhesion results, obtained of the testing fields.

Note: Water based paint must be completely removed of the surface, before the application of Adingcolor RB.

#### **APPLICATION**

Apply Adingcolor RB using brush, roller or airless pump in 2 layers, with maximal thickness of one layer 40µm. Before the application, dilute the product with 3-5% Solvent P. Mix the diluted paint until it homogenize. Period of time between two layers on 20°C is 5-6h.

When the substrate already have firm and stabile existing coating of Adingcolor RB one layer of the new coating might be applied.

Treated surfaces should be protected of wind, rain, ice and dust 24 hours after the application. The temperature of the substrate during the application should be higher than 5°C.

#### **MAINTENANCE**

Maintenance and method of use are important for coating exploitation life. Clean the surfaces with applied Adingcolor RB using machines with rotated soft brushes, detergents diluted in water or with diluted acids. The constructions where chemicals are used might have colour changes of the final coating.

#### **CONSUMPTION**

for two layers – 0.35-0.4kg/m<sup>2</sup>

#### **CLEANING**

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

#### **PACKAGING**

metal cans - 4 and 20kg

#### **STORAGE**

In the original packing at temperature between 5-35°C. Shelf life: 9 months.

#### **STANDARD COLORS**

RAL5012; RAL5015; RAL7032; RAL5024; RAL9003.

Note: The remaining RAL colors are available for orders over 90kg.

**Health hazards:** Product contain reactive chemicals that uncured have some harmful influence on health. During the application it is obligatory to use protective equipment: gloves, mask and glasses. Avoid contact of the product with skin. In case of accidental contact, the product should be removed immediately with water and soap. If the material has been splashed into eyes, immediately rinse it with pure water and call for medical help. If swallowed immediately call for medical help.

**Fire:** Adingcolor RB and Solvent P contain flammable solvents. Do not use this products near fire or while smoking.

**Cleaning and disposal:** Loose residues of Adingcolor RB are cleaned with Solvent P. The old and used packing should be discarded in accordance with the local relevant regulations. It is recommended to adjust the technology for application and quantities according to the construction and application conditions. It is recommended to use appropriate protective equipment.