

TWO-COMPONENT POLYURETHANE UV-RESISTANT COLORLESS WATERPROOFING - REAL 810 2K

PRODUCT DESCRIPTION

REAL 810 2K is a two-component, UV-resistant colorless waterproofing that can be easily applied to various surfaces such as ceramic marble, granite, tiles, natural stone and concrete. REAL 810 2K waterproofing is resistant to UV rays, chemical and physical effects. It can be used for waterproofing and decorative purposes. After drying, it forms a transparent, elastic and seamless layer.

TECHNICAL SPECIFICATIONS

Appearance	Full gloss
Color	Colorless
Density (gr/ml 20°C)	1,06 ± 0,05
Mixing ratio by weight	Comp.: A 70 units Comp.: B 30 units
Solids by weight (w/w)	% 98 ± 2
Application method	Roller or rubber squeegee
Open working time at +20°C	20-25 min.
Shore D hardness	78 ± (DIN 53505) (7 days)
Bending Strength	28 N/mm ² (TS EN 196-1) (7 days)
Compressive strength	71 N/mm ² (TS EN 196-1) (7 days)
Full drying time at +20°C	4-10 days
Continuous thermal endurance	+50°C + 80°C (most 7 days)



DRYING INFORMATION

	Touch Dry	Hard Drying	Interval between layers
-5°C	12 hours	29-30 hours	24 hours
0°C	9 hours	20-21 hours	18 hours
5°C	6 hours	13-14 hours	12 hours
15°C	120-160 min.	5-6 hours	3,5 hours
25°C	80-100 min.	3-4 hours	2 hours
35°C	60-80 min.	1,5-2 hours	1,5 hours

Note: As the application thickness increases, consumption increases as well.

Consumption of wet film thickness (μ)	Dry film thickness (μ)	Theoretical consumption rate ± 10 (kg/m ²)
188	169	0,200

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APPLICATION AREAS AND FEATURES

REAL 810 2K is used for water sealing on tiles in bathrooms and kitchens, on terraces, balconies and other outdoor areas such as roofs, facades and swimming pools.

APPLICATION METHOD

The application surface is carefully cleaned of dirt such as oils, dust, rust, etc. To ensure good adhesion to the surface on which the waterproofing will be applied, cleaning must be done carefully and thoroughly.

FEATURES AND BENEFITS

- Offers waterproof properties and provides an aesthetic finish.
- Can be applied directly without the need for a primer.
- It is UV resistant and unaffected by external factors.
- Easily solves floor insulation problems without damaging the existing coating.
- Creates a transparent insulating layer.
- Has high adhesion on glossy surfaces.

USAGE MANUAL

Surface preparation

The application surface is carefully cleaned from dirt, oil and grease. Loose old paint (on previously painted surfaces) is removed. Rust, dust and burrs on the surface are cleaned with diamond-tipped machine according to SA 2 ½ norms.

Product usage

Before using the REAL 810 2K waterproofing, the components are mixed well separately. Then the waterproofing - (component A) is mixed with the hardener - (component B) then both components are stirred until a homogeneous mixture is obtained. The open time for work is approximately 25 minutes. The finished mixture can be applied with roller or rubber squeegee.

PACKAGES

REAL 810 2K

Component A: 3.5 kg. + Component B: 1.5 kg.
Total set weight: 5 kg.

REAL 810 2K

Component A: 10.5 kg. Component B: 4.5 kg.
Total set weight: 15 kg.



AMBIENT CONDITIONS

Ambient temperature should be between +5°C and +35°C. Do not apply when the relative humidity exceeds 80%. The surface temperature should be at least 3-5 °C above the dew point to prevent surface condensation.

It should be known that the consumption will increase in windy weather. The surface temperature should be at least -5°C and at most +45°C.

SHELF LIFE

The products should be stored in its original packages in a cool and dry place. The storage life of the varnish in unopened packages is 24 months for components A and B.

HEALTH AND SAFETY INFORMATION

Read the MSDS form (Material Safety Data Sheet) for necessary safety rules and warnings.

Minimum safety rules has to be followed are the follow ones.

- Contact of the paint with skin and eyes should be prevented by using gloves, protective goggles, face mask, and industrial cream.
- Ensure adequate air circulation during application and until the paint dries.
- If paint comes into contact with skin, wash with warm water and soap or industrial cleaner. If splashed into eyes, rinse with water for at least 10 minutes and seek medical attention.
- Since such materials contain flammable components, they should be kept away from sparks and naked flames. Smoking should not be allowed in the area.
- All warning notices on the buckets must be read carefully and the recommended operating rules must be observed.

* Our information about the products is based on our own laboratory tests and research under normal conditions. Our company is not responsible for studies under unsuitable application conditions. The right to change this information is reserved by our company.

Please contact R.Y.K. for more detailed information.

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www.adacolor-bg.com

Sofia 6 "Andrey Germanov" str. mobile: 089 666 3042 / 089 468 3880	Sofia, "Ovcha Kupel 1" quarter 33 "Promishlena" str., 429 bl., store 18, mobile: 089 666 9071	Plovdiv 176 "Brezovsko shose" str. mobile: 089 544 7503 / 089 666 3044	Varna 25 "Usta Kolyu Ficheto" str. mobile: 089 666 9079 / 089 466 9023
Shumen, "Dobrudzhanski" quarter Ind.zone, "Stroykomplekt" site mobile: 089 455 1685 / 089 666 3043	Kardzhali 1 "Klokotnitsa" str. mobile: 089 575 0749 / 089 666 3057	Troyan 49 "Makedoniya" str. mobile: 089 666 9079 / 089 673 4489	Haskovo, 5 "Okolovrasten pat" str. South Industrial zone mobile: 089 666 3051 / 089 241 2833