

HIDROFOB ELASTIC 2K

elastic polymer-cement hydro-isolation mass

CHARACTERISTICS

HIDROFOB ELASTIC 2K is two-component elastic poly-cement hydro-isolation mass for internal and external application used for isolation of vertical and horizontal surfaces of wet walls, cellars, concrete walls, balconies, bathrooms, basis for technical water and similar, which shall be covered by ceramics afterwards.

It is used for internal and external exploitation conditions. Product is not to be used for finishing coat. It is obligatory to apply appropriate coating over HIDROFOB ELASTIC 2K. Its characteristic is resistance to positive and negative water pressure up to 1.5 bars.

It is not recommended to be installed in places with constant hydrostatic pressure.

Based on standard EN 14891, it is classified as M 01 (Normal cement fluid-applied water permeable product with improved binding of cracks at temperatures as low as -5°).

COMPOSITION

Mineral fillers, cement, water dispersion of polymer binder, additives and water.

TECHNICAL CHARACTERISTICS

Parameter	Value
Compressive strength to concrete substrate (EN 1015-12)	≈1.2 N/mm ²
Compressive strength of hardening in normaconditions (EN 14891)	> 0.5 N/mm ²
Compressive strength after immerging in water (EN 14891)	> 0.5 N/mm ²
Compressive strength after warmth exposure (EN 14891)	> 0.5 N/mm ²
Compressive strength after freezing-unfreezing cycle (EN 14891)	> 0.5 N/mm ²
Compressive strength after contact with lime water (EN 14891)	> 0.5 N/mm ²
Binding of cracks in standard conditions (EN 9117-6)	> 0.75 mm
Binding of cracks at -5°C (EN 9117-6)	> 0.75 mm
Water impermeability (EN 14891)	No penetration

SUBSTRATE PRAPARATION

Substrate has to be hard, dry, free of dust, grease and other impurities.

The following are appropriate substrates: surfaces made of cement, cement-lime, treated by masses for concrete evenness.

Cement and cement-lime mortars substrates should dry minimum 1 day for each mm of thickness (T=20°C, rel. humidity 65%), and concrete surfaces should dry at least a month.



TECHNICAL DATA SHEET TL.C.50.01

Date of issue: March 26, 2018

Before applying material, key coat *PODLOGA KONCENTRAT* (solution: *PODLOGA KONCENTRAT*: water=1:3) should be applied. For smooth low-absorbent concretes, *PODLOGA KVARC* is recommended as pre-coat.

Key coats also are binding connection between substrate and used material in order to create stronger connection and decrease its consumption.

APPLICATION

Mixing is performed in the way that component B is slowly added to component A and mixed with electric mixer up to reaching homogenous mass without blobs. Working period of mixed material is approx.. 1 hour. Application is made in minimum two layers, three if necessary.

Each layers thickness is 1-2 mm, whereas total thickness does not exceed 5 mm. Every next layer is applied to the previously hardened layer.

HIDROFOB ELASTIC 2K is applied with brush, in one direction for the first layer, and the second layer is applied vertically to the first. Full surface coverage should be achieved with each layer.

At critic spots (angles, wall and floor connections, etc.), appropriate tape, "Hidrofob elastic tape", should be used. Breaks in concrete, cracks and other damages should be removed by appropriate sealing material (long-lasting elastic putty etc.).

Optimum air and wall temperature for work and drying is from +10°C to +25°C, relative humidity under 80%.

Avoid working in wind, rain, fog or direct sunlight.

Wash tools with water immediately after use.

CONSUMPTION

≈ 3-3.5 kg/m² for two applications

PACKAGE

Big set 28 kg (A component=21 kg + B component=7 kg)

Small set 7 kg (A component=2 x 2.6 kg + B component=2 x 0.875 kg)

LIFETIME

12 months in original, well-sealed and undamaged package.

WASTE TREATMENT

Pursuant to the Law on waste management ("Official Gazette of the Republic of Srpska", number 111/13 and 106/15), Rulebook on waste categories, tests and classification ("Official Gazette of the Republic of Srpska", no. 19/15), cement hydro-isolation mass is classified as waste with the following classification number

17 09 04 (mixed waste from construction and demolition other than those listed in 17 09 01, 17 09 02 and 17 09 03).

Contaminated waste should be delivered to waste management authority.



LABELLING

Pursuant to Regulation (EC) No. 1272/2008 classification, labeling and packaging of substances and mixtures, product is classified as hazardous.



Hazard class and hazard category:

- Skin irrit. 2
- Skin sens. 1
- Eye dam. 1
- STOT SE 3

Signal word: Danger

Product identifiers:

Compound contains: Portland cement clinker (CAS number: 65997-15-1)

Hazard statements:

H315 – Causes skin irritation.

H317 – May cause skin allergic reactions.

H318 – Causes serious eye damage

H335 – May cause respiratory irritation.

Precautionary statements:

P102 – Keep out of reach of children

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P302+P352 - IF ON SKIN: Wash with plenty of soap and water.

P304+P340-IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310-Immediately call a POISON CENTER or doctor/physician.

P333-P313-If skin irritation or rash occurs: Get medical advice/attention

P501 – Disposal of contents /container in accordance with local/ national/regional/international regulations.

STORAGE

Store it in dry and dark, temperature +5°C to +25°C.

Do not allow to freeze!





QUALITY CONTROL

Parameters of the product quality are defined pursuant to internal product specifications. Achieving declared values is ensured by integrated system of quality management ISO 9001. Verification of declared and limit values are achieved through tests in certified laboratories. Significant importance is paid to protection of environment through integrated system of quality of environmental management ISO 14001.

OTHER INFORMATION

In case application or esthetic lacks are noticed in installation, contractor is to stop the works immediately and duly inform the producer, who, hence, shall deal with complaint.

If a larger part of whole of amount of material is applied, complaint is not possible.

It is understood that contractor is aware of product characteristics and the way of its application.

Company Colorit doo shall not assume the damage caused due to contractor's unprofessionalism, wrong application or wrong choice of product for given purpose.

Technical Data Sheet is meant for guideline in order to achieve the best results in application only.

Read safety data sheet before use of product.

