

Product type: Thin coating with osmotic permeation

Short description RENOVA APASTOP is a powder mixture made up from cement, quartz sand, selected inert materials, of specific water soluble additives which – mixed with water- create a solution with a high capacity of product: osmotic permeation into concrete, screed or cement-based coating, resulting in a flexible, waterproof layer with high mechanical resistance and resistance to chemical stresses.

Areas of application: RENOVA APASTOP is used for waterproofing walls affected by water seepage, covered or uncovered swimming pools, water delivery channels, interior of semi basements, foundation walls and other concrete walls affected by humidity.

Technical data:	Physical form	powder
	Colour	grey
	Flammability	no
	Toxicity	no
	Average consumption	2-3 kg/m ²
	pH	11,5
	Tensile strength after 28 days	8 N/mm ²
	Compressive strength after 28 days	6.3 N/mm ²
	Pot life	3 hours
	Adherence to the base layer	3.2 N/mm ²
	Relative humidity for use	55% - 65 %
	Apparent density	1,400 kg/m ³ .
	Mixture water	4 l / 25 kg
	Temperature range for usage	+ 5°C – + 35°C

Instructions Application of product is carried out only by trained and skilled workers specialized in for use: applications, in the following stages:

1. Preparing the product:

The mortar is prepared by mixing a 25 kg powder sack with 4 l (160ml/kg) of clean and cold water, only in clean and appropriate containers. The mixture is prepared with the help of a rotating mechanical device (electrical or pneumatic), with low revolutions (500 rev/min) with a screw guaranteeing a homogeneous mixture.

The powder is poured into the water (and not the other way around) and they are mixed until a homogeneous agglomeration free paste.

The non-observance of the mixing stages implicitly causes the product to lose its properties and, thus, failures in using it may occur.

2. Product application:

None of the operations described below shall be performed under direct sunlight, under powerful air currents (wind) or at air or base layer temperatures lower than 5°C or exceeding 35°C.



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Data Sheet

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RENOVA APASTOP

Code 1.7.01
Technical agreement:
AT 007-04/442-2008

The obtained paste is applied in two layers, each being 1-2 mm thick; the second layer shall be applied after the first one has dried (approx. 12 from the application of the first layer). Application is carried out with the hawk. One layer is applied longitudinally, the other- transversally. For large surfaces, it is recommended to reinforce the product with glass fibre net with a specific weight of approx. 150 g /m² The net should be incorporated into the top part of the first layer

3. Final recommendations:

- the product shall not be used on construction elements undergoing hydrostatic pressures.
- the product shall not be applied on surfaces which contain gypsum or which are treated with anhydrides.
- the product is mixed only with clean and cold water and only in clean and appropriate containers.
- the product is not applied under direct sunlight, wind, rain or air and base layer temperatures lower than + 5°C or exceeding + 35°C nor at relative humidity values others than 55% - 65%.

Packaging: The product is packaged in sacks weighing 25 kg; 60 sacks per pallet covered in foil.

Storage: The product is stored for maximum 12 months in a dry place, in its original undamaged package, placed on the pallet.

Marking: Each sack is marked by being stamped, on the bottom, with the following information: date of production – five groups of figures symbolizing:
the day, the month, the year ending, production line number, production batch number.

Warranty: The product has a 12 month warranty beginning on the date of production marked on the package; this warranty applies only for the storage conditions mentioned above.

- WARNING!**
- The prepared product is alkaline.
 - During handling and transport, goggles, gloves and anti-dust masks should be worn.
 - In case the product gets accidentally into your eyes, wash immediately with lots of clean water and then quickly contact a doctor!
 - Products with damaged packaging should not be used.
 - The unused items should not be discarded into the sewerage system

Note 1: The present data sheet accompanies each invoice or waybill which refers to the product presented in the sheet.

Note 2: It is forbidden to reproduce parts or fragments from the present data sheet.

Note 3: The present data sheet has been drawn up to properly inform the user about the presented product. The use of this sheet for other purpose than informing you about the product and preparing the technological specifications regarding application is strictly forbidden without the written consent of ITAL-KOL.

Note 4: For other additional information, which you consider you should receive or you find useful, we recommend that you contact the producer in writing, before using the product. Any producer liability regarding failures in applying the product resulted from misinterpreting the text of the present data sheet or from verbal consultancy is excluded.

Note 5: The data presented in the product data sheet and, mainly, the instructions regarding the manner and area of application of the product are based on the skills and practical experience of the person applying the product. Due to a large variety of materials, tools or working conditions which we cannot totally control or foresee or which, even if they are clearly mentioned in the product data sheet, are not correctly assessed by the person applying the product, in each case we recommend, before use, to carry out individual tests of applying the product, so that you can be sure that the product the present data sheet is describing is suitable for your respective field of application.

Any producer liability regarding failures in applying the product resulted from the causes mentioned above in this sheet is excluded, except for the event when the damages resulted only from the poor quality of the product that the present data sheet refers to.

Note 6: Depending on the evolution of the technical regulations applicable, the producer preserves the right to modify the present data sheet. For the purpose of confirming the data in the sheet, we recommend you to visit the web page: web www.italkol.ro prior to using the product