



COSTAR 2K FLEX

Flexible Waterproof Membrane

PRODUCT DESCRIPTION

Costar 2k Flex is a flexible two component waterproofing membrane with tough-elastic properties suitable for both positive and negative side waterproofing of interior and exterior concrete and masonry surfaces. It is modified with specially selected aggregates and active chemicals. It lowers the permeability of concrete and is used as a surface applied waterproofing membranes for improved durability and longevity of concrete.

FEATURES

- Allows the concrete to breathe
- Can be easily applied on horizontal and vertical surfaces with brush, roller, trowel or spraying machine
- Waterproofs and flexible.
- Provides seamless water isolation without joints
- Provides highly performing water isolation
- Is elastic, does not shrink or crack
- Non-poisonous, perfect for water tanks

APPLICATION AREA

- Indoor and Outdoor
- Horizontal and vertical application
- Wet areas such as bathroom, kitchen, balconies, water tanks, swimming pool etc.
- Roof, terraces and Roof gutters

APPLICATION INSTRUCTION

Surface Preparation

Concrete substrates must be sound and of sufficient compressive strength (minimum 25N/mm²) with a minimum pull off strength of 1.5N/mm². The substrate must be clean, dry and free of all contaminants such as dirt, oil, grease, coatings and surface treatments, etc. if in doubt, apply a test area first.

Concrete substrates could be prepared mechanically using abrasive blast cleaning or scarifying equipment to remove laitance and achieve an open textured surface. Weak concrete must be removed and surface defects such as voids must be fully exposed. Repairs to the substrate, filling of voids and surface leveling must be carried out by

using Costar Repair Mortar. The concrete or screed substrate has to be primed or leveled in order to achieve an even surface.

Mixing

Costar 2K Flex must be thoroughly mixed using a low speed electric stirrer (300-400rpm) or other suitable equipment. Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 2 minutes until a uniform mix has been achieved.

Application Method

Costar 2K Flex is applied by roller, spraying equipment or serrated trowel poured up to desired thickness. Depending on application type period if necessary roll immediately in two directions with spiked roller to ensure even thickness and to remove entrapped air.

CONSUMPTION

1 – 1.5 kg/m² is applied on each layer, in 1 mm thickness. It is recommended that at least 2 layers are applied (2 - 3 kg/m²). On areas where stronger protection is required, the consumption may increase up to 3 - 4 kg/m².

Coverage is changeable depending on the application type, surface porosity, surface profile, variations in level or wastage etc. It is recommended that at least 3 layers are applied.

TECHNICAL PROPERTIES

Appearance	Component A: Grey Colored Powder Component B: White colored Liquid
Pot life	40-60 Minutes
Substrate Temperature	+100C/+300C
Full Curing Time	7 days
Flexibility	Excellent





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PACKAGING

Part A: 20Kg

Part B: 8Kg

STORAGE AND SHELF LIFE

Store under warehouse conditions below 35°C in the original, unopened packs. If stored at high temperature and/or high humidity conditions, the shelf life will be reduced.

It has a shelf life of 12 months when stored in a dry place below 35°C in their original, unopened packs.

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product. For Professional Use only.

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.