



# HYDROPRUF WP 100

## Anti-Crack Integral General Waterproofing Admixture for Concrete and Plaster

### PRODUCT DESCRIPTION

Hydropruf 100 is a specially formulated anti-crack, integral, general waterproofing admixture which reduces the transmission of water through concrete, mortar and screed. It is suitable for use in all concrete, mortar or screed. Typical applications areas include, wall plasters, Foundation, piles, water retaining structures, manholes, sewage treatment plants, swimming pool, and septic tanks.

### ADVANTAGES

- Reduces the permeability of the concrete, plaster and screed, thereby increasing building durability.
- Unlike coatings, HYDROPRUF 100 when added to plaster or concrete during mixing becomes an integral part of the concrete and plaster; hence, waterproofing protection is still maintained even if surface damage occurs.
- It helps to increase the compressive strength of concrete
- Protects reinforcement bars against ASL attack and corrosion
- Helps to reduce shrinkage crack development in concrete and Plaster especially in hot weather.
- Increases the overall workability of concrete during placement

### APPLICATION AREAS

HYDROPRUF WP 100 can be used for the waterproofing of all types of concrete, plaster and screed such as:

- Foundation
- Swimming pool
- Wall plaster and Screeding
- Septic tank

- Water retaining structures
- As a complimentary protection in the Screeding of terraces, Balconies and Roof Gutters.
- All concrete, Mortar and Screed requiring waterproofing.

### TECHNICAL INFORMATION

<b>Product chemistry</b>	Blend of organic and inorganic chemicals
<b>Packaging</b>	20kg bag
<b>Appearance</b>	White powder
<b>Density</b>	0.9kg/l
<b>Shelf life</b>	12 months from date of production if stored properly
<b>Chloride content</b>	Nil
<b>Storage</b>	Store in undamaged, unopened, original sealed packaging in dry conditions at temperatures between +5 °C and +45 °C. Protect from direct sunlight, heat and moisture.
<b>Compliance</b>	BS EN 934-2

### PRECAUTIONS/LIMITATIONS

- Be careful to avoid water contact with product during storage.
- Constantly Liaise and consult with, the Safety Data Sheet before use.



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### DOSAGE

The recommended dosage for HYDROPRUF WP100 is 1 - 2% weight of cement. However, optimum dosage to meet specific requirements should always be determined by trials using the admixture on site

### SHELF LIFE

Protect from freezing and contamination. Shelf life in unopened, original containers is 12 months, when stored at 68°F (20°C)

### STANDARD COMPLIANCE

HYDROPRUF WP 100 meets the water absorption requirements of the European Standard BSEN934-2.

### HEALTH & SAFETY

- In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear suitable protective clothing, gloves and eye/face protection.
- If swallowed, seek medical advice immediately and show this container or label.
- Keep the coating materials above 10C.
- Do not apply when surface temperature is below 10°C or over 35°C
- Do not apply in environments of high humidity/moisture, or if pending rain is a possibility.
- Once mixed, it must be used within its pot life as specified in earlier section

### TOLERANCE

Typically, +10% from the above values. All parameters are obtained under controlled lab conditions.

### LIMITATIONS

HYDROPRUF WP 100 is not a replacement for good concrete practice. Please note that no amount of waterproofing admixture can replace and make up for poor quality concrete. As a minimum requirement Costar Building Products recommends a minimum of 300 kg of cement per cubic of concrete.

### 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.