



# HYDROPRUF WP 300

## Liquid Anti-crack Waterproofing Admixture For Mortar And Concrete

### PRODUCT DESCRIPTION

HYDROPRUF WP 300 is a specially formulated, high performance liquid anti-crack, integral, general waterproofing admixture which reduces the transmission of water through concrete, mortar and screed. This product is designed for the complete and permanent waterproofing of mass and reinforced concrete structures, ready-mixed and precast concrete, etc.

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 WP 300 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.
- Helps to reduce shrinkage crack development in concrete and Plaster especially in hot weather.
- Increases the overall workability of concrete during placement
- It helps to increase the compressive strength of concrete
- Protects reinforcement bars against ASR attack

### APPLICATION AREAS

- Foundation
- Swimming pool
- Septic tank
- Water retaining structures
- All concrete, Mortar and Screed
- As a complimentary protection in the Screeding of terraces, Balconies and Roof Gutters

### APPLICATION

Hydropruf WP-300 must be stirred slowly before use to ensure a homogeneous, lump free consistency. It shall be diluted in the gauging water. The dilution must be stirred slowly (to ensure a homogeneous, lump free consistency) prior addition into the mortar/concrete mixer. Hydropruf WP-300 can also be added neat to the mortar/concrete mix provided that the mixture is properly mixed to achieve a homogeneous consistency.

The standard rules of good concreting practice (concerning production, placing and curing) are to be followed. Hydropruf WP-300 may be combined with many other Costar products.

Note: Preliminary testing is required to prove the compatibility. Please contact Costar technical service for more information and advice.

### TECHNICAL INFORMATION

<b>Packaging</b>	20L, 210L, 1000L
<b>Appearance</b>	Light brown
<b>Specific gravity</b>	1.11
<b>Shelf life</b>	12 months from date of production if stored properly
<b>Chloride content</b>	≤ 0.1%
<b>Storage condition</b>	Storage at temperatures between 5 °C and 30 °C. Protect from direct sun light, frost and contamination.
<b>Compliance</b>	ASTM E514-90





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### DOSAGE

The recommended dosage for HYDROPRUF WP300 is 250ml-500ml per 50kg bag of Cement. However, optimum dosage to meet specific requirements should always be determined by trials using the admixture on site. The use of Hydropruf WP 300 allows the reduction of water cement ratio by about 10% without affecting workability (the specified slump is preserved). In doing so, a higher compressive strength can be achieved.

### SHELF LIFE

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

### 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 be must use within its pot life as specified in earlier section

### 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.

### STANDARDS

HYDROPRUF WP 300 meets the water absorption requirements of the European Standard BSEN934-2.

### LIMITATIONS

HYDROPRUF WP 300 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.

