



# HYDROPRUF WP200

## Liquid Integral Water Repellent General Waterproofing Admixture for Concrete and Mortar

### Description

Hydropruf WP200 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. Hydropruf WP200 helps to repel water absorption of hardened concrete and reduce the formation of surface efflorescence. Hydropruf WP200 provides excellent resistance to moisture, wind and Rain according to ASTM E 514.

### Advantages

- To improve the water tightness of concrete used in water retaining structures.
- It helps to protect a structure against water penetration and water damage for a long time
- Increased resistance to weathering, such as wetting and drying and freeze-thaw cycle
- Reduces water absorption rate
- Reduces the probability of corrosion of steel reinforced concrete
- Protection against de-icing of salts
- Protection against chloride ion and ASR attack
- Improved cohesion minimises the risk of segregation and bleed, resulting in easier placing.
- Chloride free, safe for use in reinforced concrete

### Area of Use

- Hydropruf WP 200 is particularly suited to concrete, mortar and plaster requiring waterproofing against chemical attack, weathering etc.
- Hydropruf WP200 is suitable for all concrete work requiring protection such as foundation, precast elements, concrete for structures below ground.

### Technical Properties

- Appearance: Liquid
- Specific Gravity: Typically,  $1.12 \pm 0.01$  at  $20^{\circ}\text{C}$
- Chloride Content: Nil to BS 5075
- Water permeability test: Nil 2645: 2003 Passed
- Air entrainment: Typically, less than 2% additional air is entrained at normal dosages
- Alkali content: Typically, less than 5.0 g.  $\text{Na}_2\text{O}$  equivalent/litre of admixture.

### Limitation

HYDROPRUF WP 200 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.

### Standards and Regulation

HYDROPRUF WP 200 meets the water absorption requirements of the European Standard BSEN934-2.

### Packaging

HYDROPRUF WP 200 comes in 20Litres

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## Product Data Sheet

   Costar Industries Inc.

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### Dosage rate

The recommended dosage for HYDROPRUF WP200 is 0.8 – 1.5 liter per bag of cement. However, optimum dosage to meet specific requirements should always be determined by trials using the admixture on site.

### Storage

Hydropruf WP200 has a minimum shelf life of 12 months provided the temperature is kept within the range of 200C to 350C. Contact the Costarchem Technical Service Department for advice, should the temperature of the product fall outside this range.

### Health & Safety

- In case of contact with skin and eyes, wash with plenty of water.
- Protective mask should be worn during the preparation of the

### Warranty

The information and recommendations relating to the application of Costar 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 Costar 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. Costar 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

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