



HYDROPRUF WP 400

Integral Waterproofing Admixture for Concrete and Mortar

PRODUCT DESCRIPTION

Hydropruf WP 400 is an integral waterproofing admixture specially designed to improve the quality of concrete and mortar by waterproofing and reducing the water demand for required workability and minimizes segregation and bleeding.

BENEFITS

- Hydropruf WP 400 becomes an integral part of the concrete and mortar
- Improved workability
- Minimizes porosity
- Reduces the risk of segregation and bleeding drastically.

APPLICATION AREAS

- To increase the waterproofing properties of concrete and cement sand mortar for critical applications
- Suitable for waterproofing of roof slabs and screeds, basements, external plastering, bathroom floors, water tanks, sumps, drains etc.
- Hydropruf WP 400 is ideal for use with all sand/cement mortars where it is required to reduce permeability to a minimum
- Hydropruf WP 400 is recommended for all general mass concrete work where, due to harsh aggregates, difficulty of compaction or mix control, the risk of porosity and permeability must be minimized. E.g. basements, bund walls, tanks, balcony, floor and roof slabs.

DOSAGE

The minimum dosage is 125ml and the maximum is 200ml per 50kgs of cement. If maximum dosage is used a minimum of 15% water should be reduced to ensure no loss in strength. However, optimum dosage to meet specific requirements should always be determined by trials using the admixture on site.

APPLICATION

- The required quantity of Hydropruf WP 400 is measured and stir into the first or second bucket of water.
- Hydropruf WP 400 water mixture should be added to the concrete or mortar and mixed thoroughly.
- Mixing shall be continued and further water shall be added until the required workability is obtained.
- The total amount of water added per ix in the initial batches shall be maintained for the remaining batches.
- Note: Mixes using Hydropruf WP 400 will require much less water than normal mixes for the same workability. Water reduction may be as much as 15% or more. If the moisture content of the sand or aggregate changes i.e it becomes wetter or dryer, and the then the amount of water used must be reduced or increased to give the original workability

TECHNICAL INFORMATION

Packaging	20L, 210L, 1000L
Specific gravity	1.15
Shelf life	12 months from date of production if stored properly
Chloride content	≤ 0.1%
Storage condition	Storage at temperatures between 5 °C and 30 °C. Protect from direct sun light, frost and contamination.
Compliance	ASTM E514-90





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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 10°C.
- 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

STANDARDS

HYDROPRUF WP 400 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.

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.