

## ENGI PLAST WP-100

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### Water Reducing & Integral Waterproofing Compound for Cement Mortar & Concrete in Liquid

#### DESCRIPTION:

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Engi Plast WP-100 is an innovative liquid admixture designed specifically to allow superior workability in concrete / mortar mixes with reduced water and also achieve high resistance to water ingress

#### Domains of application:

- In rendering / plastering work on all brick walls in Residential and Industrial Structures.
- Roof Slabs and screed
- All cement and cementitious types
- Basement, Water tank & water retaining structure
- Bath rooms and balconies
- In silos, basement structures and for damp-proof course in residential buildings.
- For repair / maintenance work of existing damp wall, saltpeter action in brick work.
- As an integral damp proofing /waterproofing compound in concrete
- In marine structures and sea-facing buildings.

#### Advantages:

- Workability - Improves workability without increased water content
- Water Proofing-Provides resistance to water penetration
- Strength – Helps in enhancing the strength
- Durability - Acts to disrupt the leakage causing capillary structures formed in concrete making it water tight and durable
- Corrosion resistant- Makes concrete more cohesive and water tight hence protects steel better against corrosion
- Water Reducer - Helps in reducing the water content
- Shrinkage - Reduced shrinkage cracks in concrete & mortar, better finish

#### Consumption:

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100-250 ml for 50kg bag of cement (0.2%-5% by weight of cement)

#### PACKAGING:

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Engi Plast WP 100 is available in 5 kg, 20 kg & 225 KG drums

## STORAGE / SHELF LIFE:

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Engi Plast WP 100 must be stored where temperatures are between 5°C - 45°C. If product has frozen, thaw at +5°C or above and completely reconstitute using mild mechanical agitation. Do not use pressurized air for agitation. Store under cover, out of direct sunlight and protect from extremes of temperature. Shelf life is 12 months when stored as above. Failure to comply with the recommended storage conditions may result in premature deterioration of the product or packaging. For specific storage advice consult your local Engitech representative.

## Indicative Characteristics

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Aspect: Dark Brown liquid

Specific gravity  $1.045 \pm 0.02$  at 25°C

Chloride ion content: <0.2%

## Precautions

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Do not add any water when the mortar or concrete gets dry due to delayed use. Any extra water added to the mix, will jeopardize all efforts of waterproofing.

## Safety

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- Wear hand gloves, safety shoes and safety goggles while using and handling the product.
- In case eyes or mouth are affected wash with plenty of clean water and seek medical treatment immediately.

The information contained in this technical data sheet is given to the best of our knowledge and the results from extensive testing in order to remain as objective as possible. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse or any different use of our products from the "Application" paragraph of this technical data sheet. Some application tests should be carried out before using the product to ensure that the methods of use and conditions of application of the product are satisfactory. Our technical assistance is at the disposal of the users. Consult the latest update of the technical data sheet on our website [www.chryso.com](http://www.chryso.com)

**Engitech Chemical Industries Limited**  
**Address:** 288, Juhapura, Sarkhej Road, Ahmedabad, Gujarat 380055, India  
Web: [www.engitechcil.com](http://www.engitechcil.com) , Email: [engitechcil@gmail.com](mailto:engitechcil@gmail.com)