

# ENGI PLAST HS -300

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## Hard & Shining Chemical

Engi Plast HS 300 is a silicone based high performance Superplasticizer admixture for concrete, specifically formulated for use with low slump, vibro-compacted, instant de-mould manufacturing processes, optimizing workability, strength and compact ability in this production of precast concrete products.

### Domains of application

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- Recommended for Fly Ash bricks/Paving Blocks etc.
- Precast and pre stressed Concrete, Cement Tiles
- All types of semi-dry mixes – including paving work. PSPC poles and pipes.
- Self-compacting concrete

### Advantages:

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- Improved surface finish, texture, and sharper edges.
- Denser block, with much higher strength.
- Shorter production - vibration cycle lighter, more uniform colour.
- More economical mix designs.
- More Shining of Concrete surface
- Reduced or no vibration may be required if this is used.

### Consumption:

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Rate of addition is generally in the range of 0.5-8% by weight of cement and cementitious material.

### PACKAGING:

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Engi Plast HS 300 is available in 5 kg, 30 kg, 50 kg & 225 KG drums

### STORAGE / SHELF LIFE:

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Engi Plast HS 300 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)

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