

# DUROSTICK D-34 HYDROSTOP



Concrete plasticizer & water resisting admixture



## PROPERTIES

Ready to use liquid additive which gives fluidity to concrete and to any type of cement screed, while the hardened mass resists water penetration. Depending on the requirement, it is recommended to be used as:

### **A) As water reducer**

It reduces the water requirement in concrete, at least 10%, thus avoiding cracks during the curing process. It also increases final mechanical strengths and impermeability, compared to regular concrete without the admixture.

### **B) As plasticizer**

With the same percentage of water as in regular concrete, it will greatly improve pumpability, ensuring a perfect finish of surfaces. It is compatible with all types of Portland cement. Classified as Water reducing/plasticizing admixture and Water resisting admixture, per EN 934-2: T2, T9.

## APPLICATIONS

Add D-34 of DUROSTICK into the concrete mass for building foundations, basements, floors and columns. It creates water resisting concrete

for the construction of tanks, cement pipes and irrigation canals, as well as bridges, and dams, tunnels, swimming pools etc. It is highly recommended for precast concrete structural elements. It creates watertight cement screeds. Necessary when pouring concrete in sections with dense rebar (steel) reinforcement, where vibration is not easy.

## DOSAGE – USE

The amount of DUROSTICK D-34 required, is calculated based on the percentage of the cement contained in the concrete. It usually ranges between 0.3-0.5kg per 100kg cement.

## NOTES

- D-34 can be added to the mixing water or directly into the cement mixer containing the mixing concrete. The mixing time must be 3-4 minutes.
- If the amount added exceeds the recommended rates, it may cause increased curing times and water pooling at the form-free surfaces

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of the concrete. However, this will not affect the final mechanical strength of the concrete.

### CONSUMPTION

#### Indicative concrete proportions:

**C16/20:** (270kg cement/m<sup>3</sup>): 0.80-1.35kg D-34/m<sup>3</sup> of concrete.

**C25/30:** (350kg cement/m<sup>3</sup>): 1.00-1.75kg D-34/m<sup>3</sup> of concrete.

### STORAGE

Store in dry and shaded places, and in temperatures greater than +4°C for 18 months.

If the product freezes, it is recommended to heat it up to +20°C and stir well.

### NOTES

- Add D-34, at a rate of 0.5-0.8% by weight to the cement content in the floor screed. The addition will help reduce the amount of water going into the screed. It will also help with levelling the floor (spread and work easily) and prevent cracking.
- Add 30gr of D-34 per 20kg spackling paste (e.g. STUCOFIX-P and POWDER COAT) to better pump the paste through injection machines.

### SAFETY DIRECTIONS

The product needs no hazard labeling based on current European and National legislation. However, it is recommended to keep away from the reach of children. If swallowed, seek immediate medical advice and show the container or label.

### PACKAGING

Carton box with 15 pcs of 1kg each one  
5kg, 20kg containers  
180kg barrel (special order)

TECHNICAL SPECIFICATIONS	
Form - Color	Liquid - Brown
Density	1.05±0.02kg/lit
pH	8.0±1.0
Alkaline content	≤ 4.0% (EN 480-12)
Chlorides free, per EN 480-10	Yes
Flammable	No
Toxic	No
Certified by EUROCERT as water resisting admixture and water reducing/plasticizing admixture with Certificate No. 1128-CPR-0287..	



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