

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 by 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, awnd 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 difficult.

■ CONSUMPTION - 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 of cement.

D-34 HYDROSTOP



Concrete plasticizer & water resisting admixture

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

■ CONSUMPTION

Indicative concrete proportions:

C16/20: (270kg cement/m³): 0.80-1.35kg D-34/m³ of concrete.

C25/30: (350kg cement/m³): 1.00-1.75kg D-34/m³ 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 mix it well.

■ NOTES

- Add D-34, at a rate of 0.5-0.8% by weight of the cement content in floor screeds. 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 of 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)
■ Chloride free, per EN 480-10	Yes

Certified by BQV as water resisting admixture and water reducing/plasticizing admixture with Certificate No 2884-CPR-00215.

DUROSTICK S.A.,
MANUFACTURING OF ADHESIVES,
PAINTS & MORTARS
ATHENS: ASPROPYRGOS, ATTICA, GR: 193 00,
Tel: +30 211 60 03 500-599, +30 210 55 16 500,
+30 210 55 98 350, Fax: +30 210 55 99 612
THESSALONIKI: INDUSTRIAL PARK-SINDOS, S.B. 44,
STREET, DA 10, GR: 570 22,
Tel: +30 2310 795 797, +30 2310 797 365,
Fax: +30 2310 797 367
Email: info@durostick.com

The technical specifications and directions of use contained in this technical data sheet are the results of the knowledge and experience of the company's research and development department, as well as from the real-life applications of the product. The recommendations and suggestions regarding the use of the products are made without guarantee since the respective conditions during their application are beyond the control of the company. For this reason, it is the user's responsibility to make sure that the product is suitable for the intended application as well as the application conditions of the project.