

HIDROFOB FLUID

*Water resisting and water reducing/plasticizing admixture
In compliance with: EN 934-2 (Table 9)*

Field of application:

Basic applications: preparation of watertight concretes for all kinds of construction members: foundations, flooring constructions, underground structures, pools and ponds, water reservoirs, shelters, canals for irrigation systems, water catchment structures, water treatment plants and the like. It is recommended for preparation of concretes exposed to attack by seawater, frost and other mild chemical attack. It prevents capillary rising of water through concrete cross sections.

Properties:

- Increases the watertightness of concrete;
- Reduces the capillary absorption of water through concrete sections up to 50% compared with concrete made without use of admixtures;
- Within the recommended dosage of 1,0 - 2,0% from cement weight, enables water reduction up to 10-15%;
- Increases the compactness of concrete

Technical features:

Type:	sulphate and sulphonate -based solution
Appearance:	brown liquid
Dry substance:	40,0±2,0%
Specific gravity:	1,16±0,03 g/cm ³
Chlorides content:	none
Alkali content:	< 4%
pH-value:	4,0±1,0

Dosing:

The concrete which gets inserted Hidrofob fluid should be mechanically prepared. It is batched automatically or manually into the water for preparation of concrete, 1-2% by weight in relation to the cement mass. Mixing time for concrete with addition of Hidrofob should be extended for 50 to 100% in relation to the mixing of concrete without admixture. In preparing watertight concrete, the following requirements should be satisfied:

Health hazard:

Hidrofob does not contain toxic substances; nevertheless, it is necessary to take care for Hidrofob not to come to contact with skin, eyes or not to be swallowed. In case of splashing on the skin or in the eyes, it is necessary to rinse with pure flowing water. If it has been swallowed, it is necessary to ask for medical assistance.

Fire: Hidrofob fluid is non-flammable liquid.

Cleaning and discarding: Cleaning of HIDROFOB FLUID residues is by using water. The old and used packing should be discarded in accordance with the local relevant regulations for that kind of waste.

- The aggregate both chemically and physically should entirely satisfy the quality requirements, as stipulated in the standards for concrete;
- Minimum participation of 0,2 mm particles together with cement should amount to 420 kg/m³ concrete mass;
- Vibration is obligatory during placement of the concrete mixture;

Effect due to overdosing:

In case of overdosing the admixture, it may come to acceleration of the setting process of the concrete.

Compatibility:

Hidrofob fluid is compatible with a number of admixtures of ADING's portfolio of products. If the concrete mixture uses two or more admixtures, it is necessary to perform preliminary tests. Different admixtures are batched separately i.e. are not intermixed with each other prior to insertion into the concrete mixture. Hidrofob fluid is compatible with all types of Portland cements, also including sulphate resistant cements.

Packing:

plastic cans: 5, 12, 25 kg.
containers: 1200 kg.

Storage:

In original packing, at temperatures from 5°C to 35°C and protected against direct effects of sunbeams. Shelf life: 12 months.