

# FLUIDING

*Plasticizer for concrete and mortar, medium degree of water reduction  
In compliance with: EN 934-2 (Table 2), ASTM C 494 type A, BS 5075 part 1*

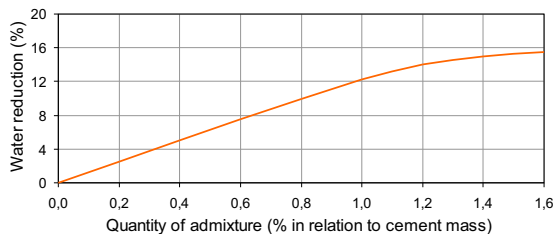
## Field of application:

- Preparation of concrete mixtures in building construction and civil engineering which are placed by means of a pump;
- Ready-mixed concretes.
- Concreting structural members of heavily reinforced concrete cross sections.
- Preparation of cement grout mixtures.

## Properties:

- For dosing from 0,4 to 1,0% of the cement mass, it enables water reduction 5-12%;
- Increases the compactness of concrete;
- Increases the watertightness of concrete;
- Improves the workability of concrete without further addition of water;
- Improves physical and mechanical features of concrete;
- Enables improved surface finish of concrete surfaces;
- Does not contain chlorides.

Water reduction in compliance  
with EN 480-1 and EN 934-2, Table 2



## Technical properties:

Type:	Naphthalene sulphonate
Appearance:	Brown liquid
Dry substance:	32,0±1,5%
Bulk density:	1,15±0,3 g/cm <sup>3</sup>
Chlorides content:	none
Alkali content:	<5,0%
pH-value:	7,5±1,0

## Dosing:

The optimum dosing of Fluiding is best determined with preliminary tests at that using the materials and conditions which would occur in practical application of the concrete and admixture in a structure. We recommend that dosing of the admixture should vary between 0,6 and 1,0% in relation to the cement quantity in concrete or mortar mixtures i.e. from 0,6 to 1,0 kg per 100 kg cement.

Mixing time for concrete with addition of Fluiding should be extended for 50 to 100% in relation to the mixing of concrete without admixture.

Dosing could also be outside these limits provided that it is necessary to satisfy some specific requirements for concrete quality. In case of dosing outside these limits, please consult ADING's professional technical services.

## Effect due to overdosing:

In case of overdosing the admixture, there is a danger of considerable prolongation of the initial and final setting time of concrete. This effect is more distinct when using sulphate resistant cements or Portland cements with additives.

## Compatibility:

Fluiding is compatible with all admixtures of ADING's portfolio of products, except for polycarboxylate-based admixtures. If the concrete mixture uses two or more admixtures, it is necessary to perform preliminary tests. Different admixtures are dosed separately i.e. are not intermixed with each other prior to insertion into the concrete mixture.

Fluiding is usable with all types of Portland cements, also including sulphate resistant cements.

## Packing:

plastic cans: 5, 12, 24 kg.

drums: 240 kg.

containers: 1200 kg

## Storage:

In original packing, at temperatures from 5°C to 35°C.

Shelf life: 12 months.

**Health hazard:** Fluiding does not contain toxic substances; nevertheless, it is necessary to take care for Fluiding 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:** Fluiding is non-flammable liquid.

**Cleaning and discarding:** Cleaning of FLUIDING 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.