FLUIDING

Concrete and mortar plasticizer
In compliance with: EN 934-2: T2

FIELD OF APPLICATION

Preparation of "standard" concrete mixtures intended for the execution of various works in constructions (foundation and other underground structures, industrial floors, columns, beams and plates, concrete pavements, hydro technical objects, retaining walls, etc.).
Preparation of concrete mixtures applied with pump;
Concreting of structural elements with heavily reinforced concrete sections;
Preparation of cementitious injection grouts;
Preparation of economical concrete mixtures with optimum ratio between components and concrete performances;

PROPERTIES

- Enables water reduction of up to 15%;
- Improves the workability of concrete without further addition of water;
- Facilitates the placement of concrete and improves its compactness;
- Increases concrete water-tightness;
- Improves physical and mechanical properties of concrete (increased initial and final strength properties);

TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	Visual	Brown liquid
Density (at 20ºC)	ISO 758	(1.02-1.06) g/cm^3
Chloride content	EN 480-10	≤0,1%
Alkali content	EN 480-12	≤6,0%
pH value (at 20ºC)	ISO 4316	2-4

DOSAGE AND PERFORMANCE:

The optimum dosage of Fluiding ranges between 0,3 and 1,0 % of the amount of cement in the concrete mixture. This dosages enables water reduction of 15 %, as well as respectively increased initial and final strength properties of concrete.
The optimal dosage of Fluiding is best determined by conducting laboratory or industrial testing. Under high ambient temperatures, or in the event that the manufacturing, transport and placement of concrete takes more than 60 minutes, it is recommended instead of Fluiding to use Fluiding M or Fluiding M1M, or to add Usporuvac D2 (Retarder D2) – set retarding admixture – to the concrete mixture.
Dosing of admixtures is carried out manually or automatically during the manufacturing of the concrete. Best effects are achieved when Fluiding is added together with the last 20 – 30% of water, in the mixture of aggregate, cement and 80% of water. It is recommended that the mixing of fresh concrete with Fluiding should not be shorter than 90 seconds.
Effects of overdose: Overdose of Fluiding can lead to concrete segregation, and then abrupt loss of workability and initial setting.

COMPATIBILITY

Fluiding is compatible with all admixtures from the product range of ADING, except with the naphthalene-based admixtures (Superfluid, Superfluid M1, Superfluid M1M, Superfluid T, Hidrofob Fluid). If two or more admixtures are planned to be used in the concrete mixture, it is necessary to carry out tests in advance.

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Different admixtures are to be administered individually, meaning they should not be mixed together before adding them to the concrete mixture. Fluiding is compatible with all types of Portland cement, including sulphate-resisting cements.

PACKAGING

Plastic cans: 20 kg
Drums: 200 kg
Containers: 1000 kg

STORAGE

In the original packaging at temperature between 5°C and 35°C. Shelf life: 12 months.

CE MARKING

CE
2032

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EN 934-2:2009+A1:2012

FLUIDING

Water reducing/plasticizing admixture for concrete

EN 934-2:T2

Chloride ion content	**≤ 0,1% by mass**
Alkali content	**≤ 6,0% by mass**
Corrosion behaviour	**Contains the following components from EN 934-1:2008, Annex A.2: Thiocyanates**

Health hazards: Fluiding does not contain toxic materials. Nevertheless, **a**void contact of the product with skin and eyes and avoid swallowing. In case of contact with skin or eyes, clean it immediately with running water. If swallowed, ask for medical assistance. Additional information are provided in the Safety Data Sheet of the product.
Fire**:** Fluiding is a non-flammable liquid. Additional information are provided in the Safety Data Sheet of the product.
Cleaning and disposal**:** Loose residues of Fluiding should be cleaned with water. Old and used packaging should be disposed in accordance with local rules and regulations for that type of waste. Additional information are provided in the Safety Data Sheet of the product.

ADMIXTURES FOR CONCRETE AND CEMENT

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