

# COMPLEKSING S

*Admixture for concrete and mortar, for prevention of segregation and separation of water from concrete „concrete bleeding“*

## FILED OF APPLICATION

- For stabilization of concrete with liquid consistency;
- For self-leveling mortars;
- For self-consolidation concrete (SCC);
- For concrete and mortars inclined for segregation because of deficiency of small grain particles;
- For stabilization of lightweight concrete and for improving the pumpability;
- For liquid mortars used as leveling compounds for horizontal concrete floors;
- For all types of pumped concrete;
- For underwater concrete

## PROPERTIES

- Prevents of significantly decreases the ability of segregation of liquid concrete mixture;
- Prevents the separation of water from concrete substrates (bleeding);
- It's used as a stabilizer for self-consolidating concrete without decreasing the consistency level;
- Improving the pumpability of fresh concrete of low granulated mixtures;
- Annuls the sensitivity of SCC and self-leveling concrete from moisture change and small particles change;
- Decreases the occurrence of cracks while forming large concrete sections;
- Decreases concrete shrinkage in contact with water (for underwater concrete);

## TECHNICAL FEATURES

PROPERTY	METHOD	DECLARED VALUE
Appearance	Visual	Transparen liquid
Density (at 20°C)	ISO 758	(1.03±0.02) g/cm <sup>3</sup>
pH value (at 20°C)	ISO 4316	5-7
Chlorides content	EN 480-10	< 0.1%
Alkali content	EN 480-12	< 0.5%

## DOSAGE AND PERFORMANCE:

Optimal dosage of Compleksing S is from 0,1% to 0,5 % from cement quantity in concrete mixture. If there is a need for increased dosage (>0,5%), it's necessary to do preliminary test on concrete mixtures. The dosage percent depends from the required viscosity of the fresh concrete. The dosing of the admixture is applied manual or with an automatic dosator. It's recommended to apply the admixture together with water used for the preparation of concrete. The time period for mixing the fresh concrete with Compleksing S needs to increase for 50 – 100 % in relation of the mixing time period for concrete without an admixture

## COMPATIBILITY

Compleksing S is compatible with all types of plasticizers and superplasticizers based on lignosulfonates, naphthalenesulfonate, polycarboxylates from the production program of ADING.

If two or more admixtures are used in the concrete mixture, it's necessary to make preliminary test. The dosing of different admixtures is carried out separately, meaning it's forbidden to mix them together before applying in the concrete mixture.

Compleksing S is compatible to all types of Portland cements, including the sulfate resistant cements.

## PACKAGING

Plastic cans: 5 and 20 kg


Plastic barrels: 200 kg

Containers: 1000 kg

## STORAGE

In the original packaging at the temperature between 5°C до 35°C. Shelf life: 6 months.

## CE MARKING

 2032	
ADING AD Skopje, Novoselski pat (ul 1409) br.11 1060 Skopje, North Macedonia 20 GANA001/3 EN 934-2:2009+A1:2012 <b>KOMPLEKSING S</b> Viscosity modifying admixture EN 934-2:T13	
Chloride ion content	≤ 0,1% by mass
Alkali content	≤ 0,5% by mass
Corrosion behaviour	Contains components only from EN 934-1:2008, Annex A.1

**Health hazard:** Compleksing S does not contain toxic substances, however attention must be paid to avoid contact with the skin, eyes or not to be swallowed. In case of contact to skin or to eyes, rinsing is required with clean running water. If swallowed, medical assistance must be immediately requested. Additional formations are provided in Material Safety Data Sheet for the material.

**Fire:** Compleksing S is a non-flammable liquid. Additional formations are provided in Material Safety Data Sheet for the material.

**Cleaning and deposit:** Compleksing S is cleaned with water. Old and used packaging must be disposed according to local regulations for that type of waste. Additional formations are provided in Material Safety Data Sheet for the material.