

## LP3 3-rd generation plasticizer for Self- Consolidating Concrete (SCC)

### DESCRIPTION:

The base of the LP3- plasticizer is the ether of polycarboxylate. The plasticizer divides the cement grains by using its volumetric polymeric structure for steric and physical repulsion.

### SPECIFICATION:

Chemical composition:	aqueous solution of modified polycarboxylate group
Form:	light fluid body
Density:	1,07 kg/l $\pm 0,02$ ;
PH:	7 $\pm 1,0$

### ADVANTAGES:

- By simultaneously proceeding hydration process the concrete obtains the following properties:
- the production of the self-consolidating (self-aligning) Concrete(SCC), that won its position practically in all markets, especially in the market of concrete building units, solid-cast densely reinforced constructions, odd-shaped constructions
  - intense water drawdown (through that the high ultimate strength)
  - high- rated concrete-mix consistency and its preservation for a long time period, sufficient for the transporting over the long distances
  - lower dosage, compared to the traditional plasticizers
  - 25-30%- reduction of the shrinkage losses through the reinforcement of the surface activity
  - reduction of the crack formation
  - concrete increased resistance to carbonation
  - contains no chloride-ions or other corrosive steel substances
  - admixture can be used by manufacturing of the pre-stressed concrete constructions

### APPLICATION:

Recommended dosage: not less than 1,5%

To mix the plasticizer with the mixing water or to deliver them together in the concrete mixer. In order to maximize the admixture plasticizing effect, it is recommended to set up the concrete mortar mixing time at 60 seconds minimum (in the compulsory-type concrete mixer) after delivering of the mixing water to the concrete mortar.

### PACKAGING:

PE-Containers:	1000 Litre
Plastic and metal barrels with a capacity of:	200 Litre
PE-package:	1; 5; 10; 25 Litre

### STORAGE:

Storage temperature: 0°C ÷ +30°C

Expiration date: 12 Months from the manufacturing day