

TECHNICAL DATA SHEET

WATER REDUCING / PLASTICISING ADDITIVE FOR CONCRETE LP 1.

07 01 21

Intended for production of concrete for construction of civil, industrial and transport sites
Certificate of Conformity No. 1327-CPR-0895, LVS EN 934-2+A1:2012, T2.

Application:	<ul style="list-style-type: none"> • Cement binders for improving product consistency 																
Suitability:	<ul style="list-style-type: none"> • For all kinds of concrete and cement mortars for plasticising and water reducing 																
Qualities:	<ul style="list-style-type: none"> • A high degree of plasticization can be achieved with a small amount (from S1 to S4) • The homogeneity of the concrete mass is maintained, stratification does not occur; • High plasticity of concrete after hardening. Increased bending strength; • Does not contain chlorine ions. • Allows to reduce the amount of cement in the recipe 																
Components:	<ul style="list-style-type: none"> • Sodium lignosulphonate • Calcined soda • Additives 																
Technical data:	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">Shape</td> <td>liquid</td> </tr> <tr> <td>pH</td> <td>9-11</td> </tr> <tr> <td>Density, g/cm³</td> <td>1,14±0,01</td> </tr> <tr> <td>Colour</td> <td>Brown</td> </tr> <tr> <td>Dry residue %:</td> <td>27-29%</td> </tr> <tr> <td>Compressive strength in 7 and 28 days for testing mixture</td> <td>≥110% from control mixture</td> </tr> <tr> <td>Air content in fresh concrete</td> <td>In testing mixture ≤2% (of volume) more than in control mixture</td> </tr> <tr> <td>Water reduction in the mixture to be tested</td> <td>≥5% in comparison with control mixture</td> </tr> </table>	Shape	liquid	pH	9-11	Density, g/cm ³	1,14±0,01	Colour	Brown	Dry residue %:	27-29%	Compressive strength in 7 and 28 days for testing mixture	≥110% from control mixture	Air content in fresh concrete	In testing mixture ≤2% (of volume) more than in control mixture	Water reduction in the mixture to be tested	≥5% in comparison with control mixture
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Processing:	<ul style="list-style-type: none"> • The additive must be mixed well before use. • The additive is added together with water intended for the preparation of concrete or mixture • It is recommended to include the amount of additive as part of water in the water-cement ratio. 																
Additional recommendations for processing:	<ul style="list-style-type: none"> • Tools must be washed with water straight after work is finished 																
Consumption % from cement mass:	<ul style="list-style-type: none"> • 0,5 ÷ 1,0 • It is recommended to reduce the amount of water by 17-20% compared to the basic recipe 																
Packing:	<ul style="list-style-type: none"> • PE container 1000 l 																
Storage:	<ul style="list-style-type: none"> • Storage time in original unopened package – 24 months 																
Utilization:	<ul style="list-style-type: none"> • Packing must be utilized in accordance with local legislation demands. 																
Safety information:	<ul style="list-style-type: none"> • Safety phrases are on packing and in safety data sheets. 																
Additional information:	<ul style="list-style-type: none"> • Technical data refer to the temperature +23±2°C and relative air humidity 50±5%. 																

The technical data sheet information applies to a given product, if there is no other manufacturer prepared and issued technical documentation. The producer is not responsible for losses caused by wrong usage of the given product. In case of questions or uncertainty, please contact producer or seller. Information on product's safety is available in safety data sheets, declared values – in declaration of performance.