

Ultraplast-310

A new generation superplasticizer significantly reducing the amount of water/ liquidizing/ accelerating the binding.

The only one and unusual composition on admixture market.

<p>Description</p> <ul style="list-style-type: none"> • It is liquidizing admixture produced on the basis of polycarboxylates and natural polymers. • It is a suitably chosen composition that allows the use of additives in a wider range of technological than Ultraplast-300 • Allows the production of concrete with very high strengths at very low coefficient value w/c. • It's perfect for concrete demanding high-strength initial and final. 	<p>Characteristics</p> <ul style="list-style-type: none"> • Natur: homogeneous liquid • Colour: brown, uniform • Density: $1,09 \pm 0,03 \text{ g/cm}^3$ • pH: $8,3 \pm 1$ • Dry matter content: $29\% \pm 2\%$ • Alkali content expressed as $\text{Na}_2\text{O} \leq 0,6\%$ • Chloride ions content: $\leq 0,10\%$ <p>Packaging</p> <p>Barrel 120 l Container 1000 l</p> <p>Conformity</p> <p>It's admixture conforms with standards PN- EN 934-2</p>
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<p>Application</p> <p>Scope of application</p> <ul style="list-style-type: none"> • designed to class of consistence from S1 to S5 (by drop of cone method) and from F1 to F6 (by spreading method) • concrete class above C30/37 • reodynamic, quick-setting, compressed concretes • it is possible to modify the air content in concrete mix • we do not recommend dosing mixture to the dry ingredients • the type of cement used should be selected based on individual consultation • maintenance time of working characteristics is 90 minutes <p>Method of use</p> <p>Dosing limits from 0,3% to 3,0% admixture to the mass of cement.</p>	<p>It's completely soluble in water. It could be added to the water before mixing or directly to the mixer. The amount of water is defined in depend of required consistency. The mixing water can be reduced by 30%.</p> <p>The optimum dosage is experimentally determined taking into account the required properties of concrete and hardened concrete.</p> <p>Precautions</p> <ul style="list-style-type: none"> • Protection from sunlight, store at temperatures above 0°C. • Shelf life: 12 months.
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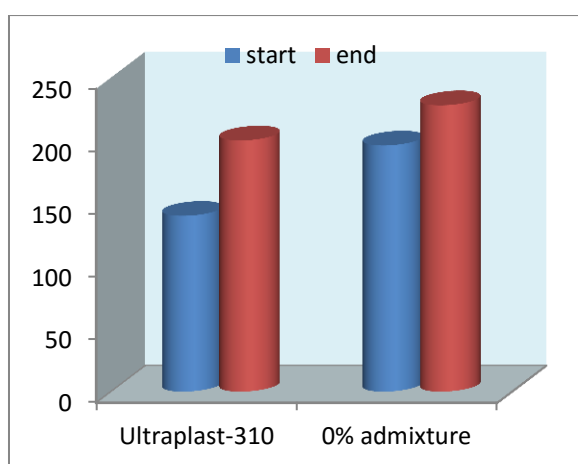
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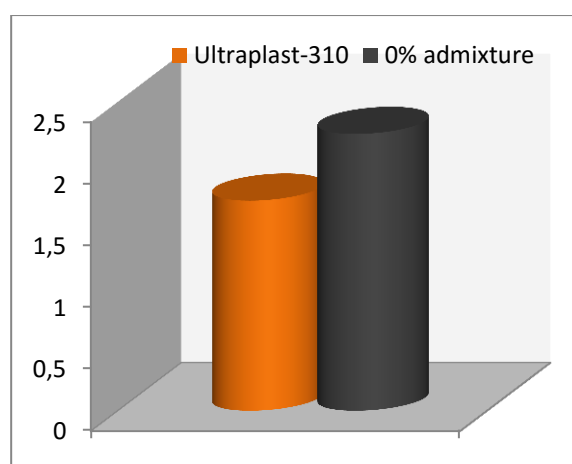
Safety

Ultraplaster-310 is a product classified as « harmless ». It is recommended to wear the normal protective equipment. For further information, please refer to the safety data sheet.

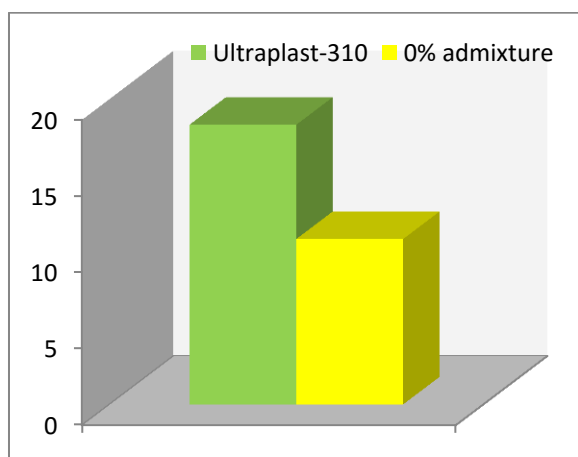
Participation admixture was 1,0 % by weight of cement.



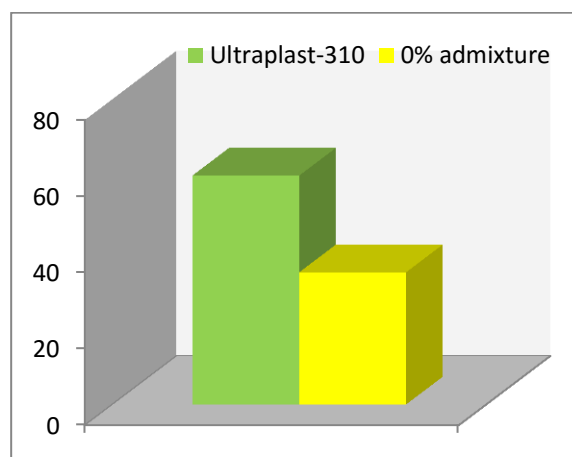
Rys.1. Setting time in temp. 20°C [min]



Rys.2. Volumetric air content [%]



Rys.3. Str. after 24 h in temp. 20°C [MPa]



Rys.4. Str. after 24 h in temp. 20°C [MPa]

The information contained in this document is given to the best of our knowledge and the results from extensive testing. However, it cannot, in any case be considered as a warranty involving our liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. Our specialists are at the disposal of the users in order to help them with any problem encountered.