

Poliplast- 3

Multifunction admixture for concrete set retarding/ hardening accelerating/ liquidizing

The only one and unusual composition on admixture market.

<p>Description</p> <ul style="list-style-type: none"> • Is a preparation consisting of modified lignosulfonates and other ennobling additives. It is a new generation superplasticizer of comprehensive action. • Increases the strength of concrete and also improves the rheological properties of the concrete mix. • Application Poliplast-3 allows to get a slightly aerated concrete with improved resistance to frost, tightness, strength, lower absorbability and homogenous structure and smooth surfaces. • It's an admixture which delay the time of bond of concrete mix. 	<p>Characteristics</p> <ul style="list-style-type: none"> • Natur: homogeneous liquid • Colour: brown, uniform • Density: $1,19 \pm 0,03 \text{ g/cm}^3$ • pH: 6,1-7,1 • Dry matter content: $40\% \pm 2\%$ • Alkali content expressed as $\text{Na}_2\text{O} \leq 1,4\%$ • Chloride ions content: $\leq 0,10\%$ <p>Packaging</p> <p>Barrel 120 l Container 1000 l</p> <p>Conformity</p> <p>Is 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"> • normal, special and ready-mix concretes • works well with all types of cements especially with cement with additions (slags and ash) • conglomerates elements production • massive reinforced concrete structures • concrete class from C8/10 to C35/45 • we do not recommend dosing mixture to the dry ingredients • designed to class of consistence from S1 to S3 (by drop of cone method) and from F1 to F4 (by spreading method) • maintenance time of working characteristics is 120 minutes 	<p>Method of use</p> <p>Dosing limits from 0,4% to 2,0% admixture to the mass of cement.</p> <p>Is 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 18%.</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 • Shelf life: 12 months
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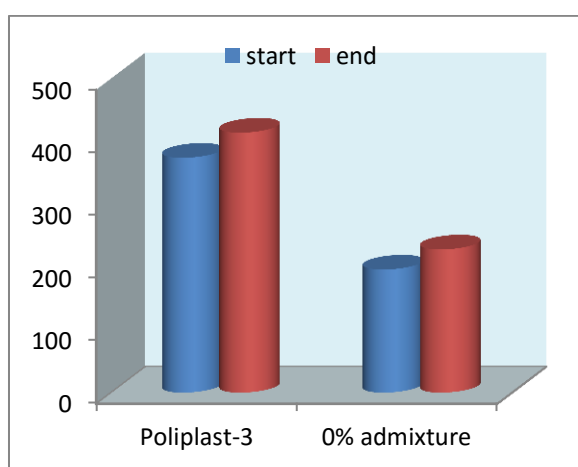
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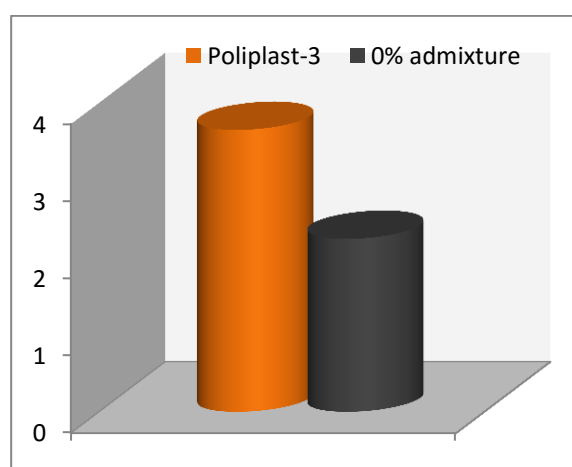
Safety

Poliplast- 3 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. It has a positive opinion of PZH.

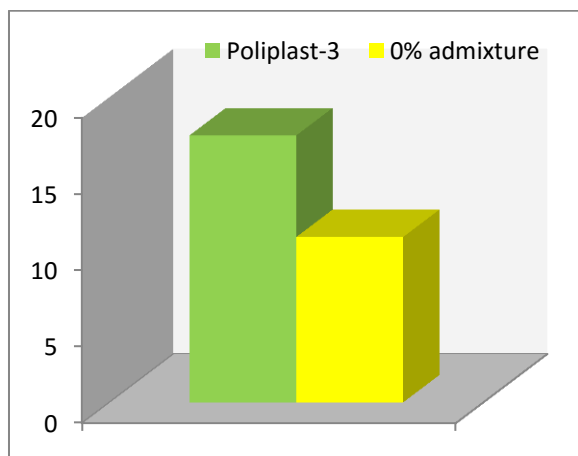
Participation admixture was 0,8% by weight of cement.



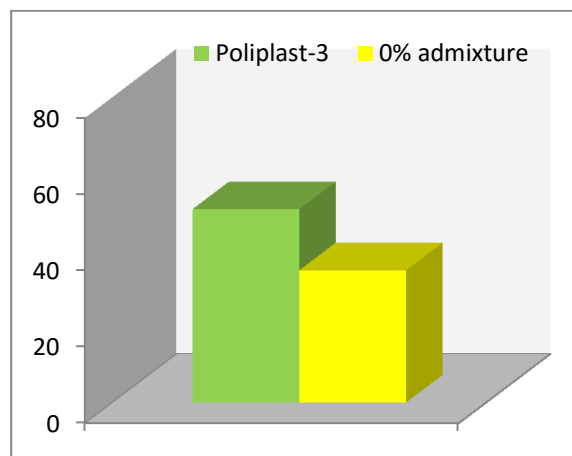
Rys.1. Setting time in temp. 20°C [min]



Rys.2. Volumetric air content [%]



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



Rys.4. Str. after 28 days 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.