

Poliplast- 1

Multifunction admixture for concrete, liquidizing, accelerating bond and hardening. For use in freezing temperatures.

The only one and unusual composition on admixture market.

<p>Description</p> <ul style="list-style-type: none"> Is a preparation consisting of a mixture of nitrates and other ennobling additives. It is a new generation plasticizer of comprehensive action It is an excellent accelerator cement setting and hardening of concrete. Cause automatic density of mixture, prevents efflorescence, it can be used to production of colored products, reduces absorptivity, is a corrosion inhibitor. <u>Is indispensable in early-spring, autumn and winter time. It can be used at temperatures up to -10°C</u> 	<p>Characteristics</p> <ul style="list-style-type: none"> Natur: homogeneous liquid Colour: colorless, uniform Density: $1,35 \pm 0,03 \text{ g/cm}^3$ pH: 6,5-7,5 Dry matter content: $48\% \pm 2\%$ Alkali content expressed as $\text{Na}_2\text{O} \leq 0,0\%$ 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 conglomerates production, sett and gallantry of concrete, concrete class from C8/10 to C50/60. (for class above C 45/55 we recommend contact with our company), 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 60 minutes 	<p>Method of use</p> <p>Dosing limits from 0,4% to 3,0% 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 15%.</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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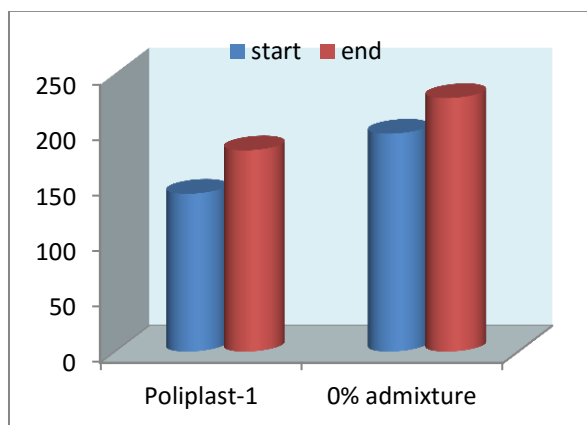
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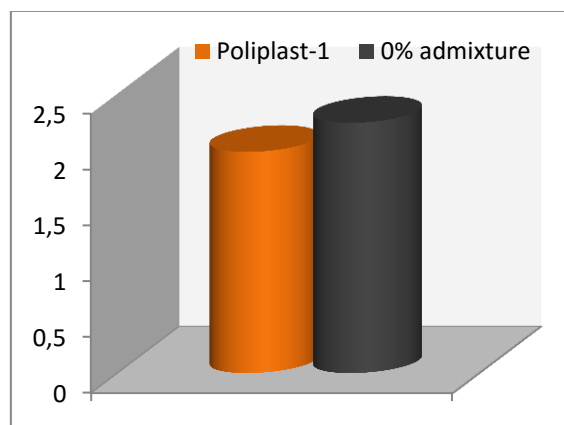
Safety

Poliplast- 1 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.

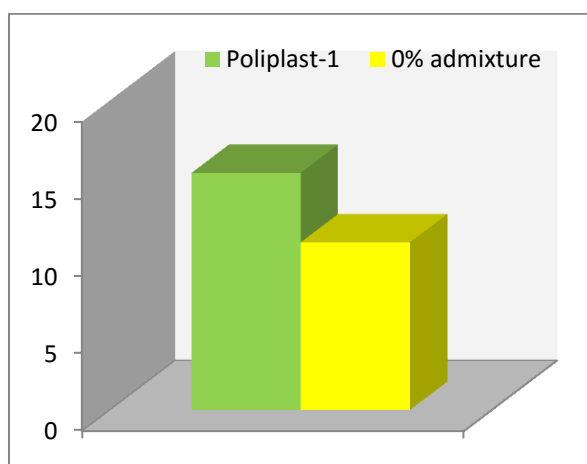
Participation admixture was 1.5% by weight of cement.



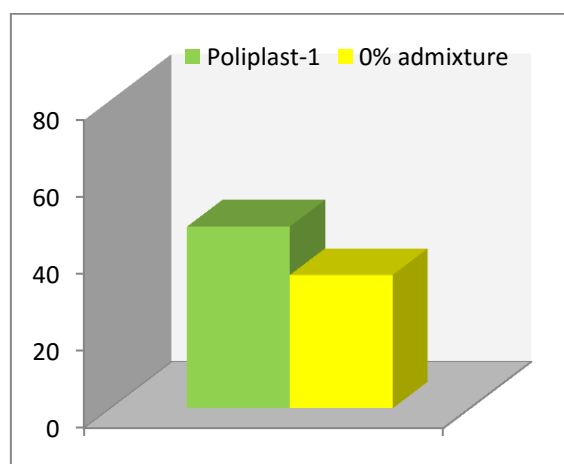
Rys.1. Setting time in temp. 20°C [min]



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.