

Sika® Plastiment®-1050 LC

Water reducing concrete admixture

Product Description	Sika® Plastiment®-1050 LC is a plasticizing and water reducing admixture for ready mix concrete. According to technical specifications 2493-066-13613997-2014.
Uses	<p>Sika® Plastiment®-1050 LC designed specifically for the production of concrete mix with a low cement content.</p> <p>Designed for production:</p> <ul style="list-style-type: none">■ ready-mix concrete for the low and middle classes of compressive strength;■ concrete with a low content of cement;■ concrete with incorrect grading curve of aggregates.
Advantages	<p>Sika® Plastiment®-1050 LC provides stable plasticizing and stabilizing properties due to the use high-quality modified lignosulfonates and air-entraining component.</p> <p>Advantages:</p> <ul style="list-style-type: none">■ improve workability of the concrete mix;■ increase strength of concrete;■ water reducing up to 15%;■ stabilizing effect;■ high compatibility with various types of cements (ПЦ-Д0, ПЦ-Д20, ШПЦ, ССПЦ);■ reduced creeps and shrinkage. <p>Sika® Plastiment®-1050 LC does not contain chlorides or any other materials which promote the corrosion of steel reinforcement. It is therefore suitable for reinforced concrete.</p>
Product Data	
Form	Aqueous solution of modified lignosulfonates
Appearance / Color	Brown liquid
Density	1,155 - 1,175 kg/l (at 20°C)
pH value	4,0 – 6,0
Storage Conditions / Shelf Life	12 months from date of production if stored properly in undamaged and unopened original sealed containers, in dry conditions and at temperatures between +5°C and +35°C. Protect from direct sunlight and frost.
Packaging	1000 litre IBC's, on tap



System Information

Consumption Dosage	0,4 – 1,4% by weight of cement. The dosage may vary to the big or the smaller side, depending on the requirements for concrete mix, and the optimal dosage is established based on laboratory tests.
Application Instructions	Sika® Plastiment®-1050 LC is added to the mixing water or simultaneously with her in a mixer. To obtain a concrete mix homogeneous time mixing shall be not less 60 seconds during adjustment a production release party of concrete mix. After adjusting the mixing time in stationary mixer may be reduced by taking into account that further mixing will be done in concrete mixers.

Notes on Application / Limitations

Freeze/Thaw	If frozen and/or if precipitation has occurred, Sika® Plastiment®-1050 LC may be used after thawing slowly at room temperature and intensive mixing.
Compatibility	To obtain the necessary properties of the concrete mix when using Sika® Plastiment®-1050 LC with other additives need to holding laboratory tests to optimize the composition of the concrete mix.

Local Restrictions	Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields.
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Health and Safety Information	For information and advice on the safe handling, storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.
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Legal Notes	The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.
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