



KUTRILIN



KEDOBET SP 103

High range water reducing/ superplasticizing admixture for transport concrete

Description and scope

KEDOBET SP 103 is a new generation superplasticizer based on polycarboxyl ether polymer. The specially designed molecular structure of this product, based on years of experience and the latest research results, enables a wide field of application in modern concrete production. The properties of this product are especially suited for use in the production of transport concrete with the need for long maintenance of consistency, workability and workability with rapid development of strength. The application of this superplasticizer allows for high water reductions and accelerates cement hydration.

Due to the rapid adhesion of the molecules to the cement particles, combined with the effective scattering effect, the increased cement grain surface is exposed to the reaction with water.

As a result of this effect, it is possible to achieve early development of hydration heat, rapid development of hydration products, and thus increased early strength.

KEDOBET SP 103 is suitable for the production of transport concrete, liquid consistency, reoplastic concrete, with no segregation occurrence and low water-cement factor, with long maintenance of workability and workability and rapid development of initial and final strength.

KEDOBET SP 103 can be used in combination with other chemical and mineral additives to achieve specific properties as required by the project. Particularly good results in combination with fly ash. For combination with other chemical and mineral additives, please consult our technical service.

The use of **KEDOBET SP 101** is recommended at ambient temperatures above 5 ° C.

Dosage

Under normal conditions, an amount of 0.2 - 1.0 kg per 100 kg of binder is recommended.

In special cases, other quantities may be recommended according to the specific conditions at the installation site. In this case, please consult our technical service.

Application

KEDOBET SP 103 is a liquid additive intended to be added to concrete during the mixing process of ingredients. Best results are obtained when the additive is added after all other components are already in the mixer and after at least 70% of the total amount of water has been added. The amount of water required in the mixture is adjusted to the desired consistency or workability.

Packing and storage

KEDOBET SP 103 can be purchased in 50 kg bins, 200 kg barrels, 1100 kg IBC containers or in larger quantities to order.

KEDOBET SP 103 must be stored in a place where the temperature is not lower than 5 °C. In the event of product freezing, increase the product temperature to 30 °C and mix again.



Replaces all previous releases for this product.
November, 2021.

CONFIRMATION OF CONFORMITY	DECLARATION OF PERFORMANCE 2477-CPR-2790-009																		
 2477	<p>1. Inique identification mark of product: KEDOBET SP 103</p> <p>2. Intended use of the construction product acc to EN 934-2: High range water reducing/ superplasticizing admixtures</p> <p>3. Name, registered trade name or registered trademark and contact address of the producer: KUTRILIN d.o.o., Radnička cesta 173P, HR-10000 Zagreb</p> <p>4. The system or systems for assessing and verifying the stability of the properties of the construction product, as set out in Annex V.CPR: System 2+</p> <p>5. The product is in compliance with the harmonized standard: EN 934-2:2009+A1:2012 Admixtures for concrete, mortar and grout - Part 2: Concrete admixtures Name and identification number of the notified body: Institut IGH d.d., NB 2477</p> <p>6. Evaluation of characteristics in relation to standard requirements</p> <table border="1" data-bbox="847 1205 1406 1731"> <thead> <tr> <th>An important feature</th> <th>Property</th> </tr> </thead> <tbody> <tr> <td>Chloride ion content</td> <td>$\leq 0,1\%$ by mass</td> </tr> <tr> <td>Alkali content</td> <td>$\leq 2,0\%$ by mass</td> </tr> <tr> <td>Corrosion behaviour</td> <td><i>No corrosion promotion effects on steel embedded in concrete</i></td> </tr> <tr> <td>Compressive strenght T3.1/3.2</td> <td><i>Pass</i></td> </tr> <tr> <td>Air content in fresh concrete T3.1/3.2</td> <td><i>Pass</i></td> </tr> <tr> <td>Water reduction T3.1</td> <td><i>Pass</i></td> </tr> <tr> <td>Increase in consistence T3.2</td> <td><i>Pass</i></td> </tr> <tr> <td>Retention of consistence T3.2</td> <td><i>Pass</i></td> </tr> </tbody> </table>	An important feature	Property	Chloride ion content	$\leq 0,1\%$ by mass	Alkali content	$\leq 2,0\%$ by mass	Corrosion behaviour	<i>No corrosion promotion effects on steel embedded in concrete</i>	Compressive strenght T3.1/3.2	<i>Pass</i>	Air content in fresh concrete T3.1/3.2	<i>Pass</i>	Water reduction T3.1	<i>Pass</i>	Increase in consistence T3.2	<i>Pass</i>	Retention of consistence T3.2	<i>Pass</i>
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	<p>7. The product type described in item 1 is in compliance with the stated properties from item 6. Only the producer designated in point 3 is responsible for issuing the declaration of performance.</p>																		

July, 2022.