



KUTRILIN

KEDOBET SP 102

Superplasticizer based on Polycarboxylate-ether without chloride in accordance with the requirements of EN 934-2.

Description and scope

KEDOBET SP 102 is latest generation of Superplasticizer based on Polycarboxylate ether polymers. Specially designed molecular structure of this product based on many years of experience and latest research results to a wide range of applications in modern concrete production.

Properties of this product are specially adapted to use in manufacture of transport concrete with capability to maintain consistency for a long period. Application of this Superplasticizer allow high water reduction and accelerate hydration of cement.

Due to the rapid adhesion of Superplasticizer molecules to the cement particles, combined with an efficient dispersion, increased size of cement grains are exposed to reaction with water. As a result of this effect it is possible to achieve earlier development of the heat of hydration, and thus increased early strength.

KEDOBET SP 102 is suitable for the production of rheoplastic transport concrete with liquid consistency, without occurrence of segregation and with low water/cement factor, with long workability and machinability and with rapid development of initial and final strength.

KEDOBET SP 102 can be used in combination with other chemical and mineral admixtures to achieve specific properties according to the project requirements. Particularly good results shown in combination with fly ash. To combine with other chemical and mineral admixtures, please consult our Technical Department.

Application of additives **KEDOBET SP 102** is recommended for ambient temperature above 5°C.

Dosage

Under normal conditions, the recommended dosages are 0,2 – 1,5 kg per 100 kg of binder.

In special cases can be recommended and other amounts in accordance with specific conditions on site. In those cases please consult our Technical Department.

Application

KEDOBET SP 102 is liquid additives to be added to concrete during the mixing process. Best results are obtained when the additive is added after all other components are already in the mixer and after the addition of at least 70% of the total amount of water. The amount of water needed in the mixture is adjusted to the desired consistency or workability.


Packing and storage

KEDOBET SP 102 can be purchased in cans of 25 kg, 150 kg barrels, containers of 1100 kg or in larger quantities to order.

KEDOBET SP 102 must be stored in a space where the temperature is not lower than 5 ° C. In the case of frozen products, increase product temperature at 30 ° C and stir again.



Replaces all previous releases for this product.
November, 2019.

CONFIRMATION OF CONFORMITY	DECLARATION OF PERFORMANCE 2477-CPR-2790-003																		
 2477	1. Inique identification mark of product: KEDOBET SP 102																		
KUTRILIN d.o.o. 10000 Zagreb Radnička cesta 173P	2. Intended use of the construction product acc to EN 934-2: Set retarding/ high range water reducing/ superplasticizing admixtures																		
14	3. Name, registered trade name or registered trademark and contact address of the producer: KUTRILIN d.o.o., Radnička cesta 173P, HR-10000 Zagreb																		
2477-CPR-2790-003	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+																		
HRN EN 934-2 Set retarding/ high range water reducing/ superplasticizing admixtures KEDOBET SP 102	5. The product is in compliance with the harmonized standard: EN 934-2 Admixtures for concrete, mortar and grout - Part 2: Concrete admixtures Name and identification number of the notified body: Institut IGH d.d., NB 2477																		
Chloride ion content ≤0,1% by mass	6. Evaluation of characteristics in relation to standard requirements																		
Alkali content ≤2,0% by mass	<table border="1"><thead><tr><th>An imporatant feature</th><th>Property</th></tr></thead><tbody><tr><td>Chloride ion content</td><td>≤0,1% by mass</td></tr><tr><td>Alkali content</td><td>≤2,0% by mass</td></tr><tr><td>Corrosion behaviour</td><td>No corrosion promotion effects on steel embedded in concrete</td></tr><tr><td>Compressive strenght T11.1/11.2</td><td>Pass</td></tr><tr><td>Air content in fresh concrete T11.1/11.2</td><td>Pass</td></tr><tr><td>Water reduction T11.1</td><td>Pass</td></tr><tr><td>Setting time T11.1</td><td>Pass</td></tr><tr><td>Retention of consistence T11.2</td><td>Pass</td></tr></tbody></table>	An imporatant feature	Property	Chloride ion content	≤0,1% by mass	Alkali content	≤2,0% by mass	Corrosion behaviour	No corrosion promotion effects on steel embedded in concrete	Compressive strenght T11.1/11.2	Pass	Air content in fresh concrete T11.1/11.2	Pass	Water reduction T11.1	Pass	Setting time T11.1	Pass	Retention of consistence T11.2	Pass
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Hazardous substances Do not content																			

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.

December, 2020.