



KUTRILIN

KEDOBET AS 301

Non-alkaline sprayed concrete set accelerating admixture

Description and scope

KEDOBET AS 301 is a highly efficient liquid non-alkaline set accelerator for sprayed concrete.

KEDOBET AS 301 is suitable for temporary and permanent rock support in tunneling, mining, underground structures, slope stabilization, and in unstable soil conditions.

KEDOBET AS 301 is best used for wet mix of sprayed concrete for rock support. Working progress is quick with the ability to create a thick layer of sprayed concrete.

KEDOBET AS 301 allow reduced rebound of concrete from the rock to which it is applied and reduces dust production, enables very fast setting with excellent development of "green" and early strengths as well as long-term strengths and durability.

KEDOBET AS 301 is non-aggressive and helps to improve work safety, helps in protecting the environment, which also affects reasons that reduce the cost of handling this product.

Application

KEDOBET AS 301 is a liquid additive that is easy to handle and achieves accurate dosing when added to concrete.

It is advisable to use **KEDOBET AS 301** with fresh cement to avoid influence on the setting characteristics of the concrete mix.

KEDOBET AS 301 works properly with Portland cement blended with fly ash and slag. It is recommended that preliminary tests be carried out to check setting time and 24 hour strength of the cement intended for the project.

Technical data:

Form	Blurred suspension
Color	Beige to gray
Density @ 20 ° C	1,43 ± 0,01 g / ml
pH	3.0 ± 1,0

Dosage

KEDOBET AS 301 is used for wet spraying of concrete mix with v/c ratio of ≤ 0.55 . To achieve faster bonding and better early strengths, the v/c ratio should be ≤ 0.50 and for extremely high early strengths ≤ 0.44 .

The dosage depends on the temperature, reactivity of the binder and the required layer thickness, setting times and early strengths development.



Expected consumption is normally in the range of 4 to 8% on the amount of binder used. Dosing pumps must be thoroughly cleaned with water before concrete spraying process.

Dosage is approximately 6-8% for J2 class, and 8-10% for J3 class of “green” strength (in accordance with ÖVBB-Richtlinie Spritzbeton, Ausgabe 12:2009).

Packing and storage

KEDOBET AS 301 must be stored at temperatures between +4 °C and +40 °C in sealed plastic, fiber reinforced plastic or non-corroding steel containers. If freezing occurs, the product needs to be thawed and mixed gently and will retain initial properties after this process.

If the **KEDOBET AS 301** is stored under the recommended conditions, the product will last for 6 months. If separation occurs (after 3 months), the product should be mixed briefly before use, thus not changing the properties or quality of the product.

KEDOBET AS 301 does not contain any hazardous substances that require special labeling. Avoid contact with eyes and skin when handling the **KEDOBET AS 301** and use of rubber gloves and goggles is recommended. If contact occurs, rinse with large quantities of water.

Contact our advisers for any other information.

Replaces all previous releases for this product.
August, 2020.



CONFIRMATION OF CONFORMITY	DECLARATION OF PERFORMANCE 2477-CPR-2790-001												
 2477	1. Inique identification mark of product: KEDOBET AS 301 2. Intended use of the construction product acc to EN 934-2: Non-alkaline sprayed concrete set accelerating admixture 3. Name, registered trade name or registered trademark and contact address of the producer: KUTRILIN d.o.o., Radnička cesta 173P, HR-10000 Zagreb 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+ 5. The product is in compliance with the harmonized standard: EN 934-5 Admixtures for concrete, mortar and grout - Part 5: Admixtures for sprayed concrete Name and identification number of the notified body: Institut IGH d.d., NB 2477 6. Evaluation of characteristics in relation to standard requirements												
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	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.