



KUTRILIN



Description and scope

KUTRIFast W2000 is a liquid additive to concrete that enables concreting of concrete, especially in winter conditions, in order to achieve accelerated hardening and faster compressive strength of concrete.

It is used in combination with superplasticizers to further reduce the required amount of water.

PHYSICAL - CHEMICAL CHARACTERISTICS

Appearance	Brown liquid
Density (20 °C) , kg/m ³	1320 ±20
pH value	7,0 ±1,0
Chlorides	≤0,10 %

KUTRIFast W2000 lowers the freezing point of water and thus prevents freezing of the water used to prepare the concrete at negative outdoor temperatures.

When the temperature reaches positive values (above + 5 °C), the hydration of the cement resumes, and also setting and herdening of the concrete.

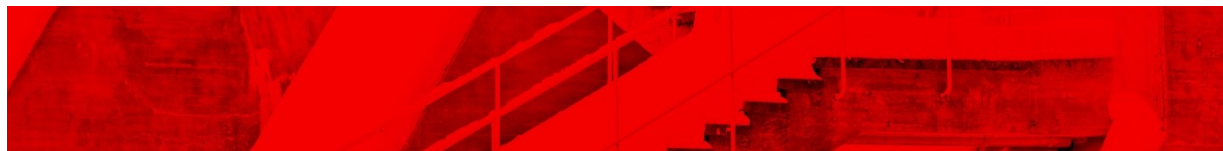
Action of the **KUTRIFast W2000** prevents the destruction of the concrete structure at negative temperatures during the period until the strength reaches a critical value.

KUTRIFast W2000 has a plasticizing effect because it lowers the surface tension of water and provides better wetting of cement and aggregates.

This enables the reduction of water in the concrete mass (by about 2% with dosage 0,6%), which is another factor that reduces the risk of freezing water in the concrete.

Dosage

KUTRIFast W2000 is dosed 0,5 – 1,5%, by weight of cement, depending on the air temperature, the amount of cement and the weight of concrete.



KUTRIFast W2000 is added to the concrete preparation water or directly into the concrete mixer.

Application

KUTRIFast W2000 is chloride free and can be used for all types of concrete structures and does not promote corrosion effects on steel embedded in concrete.

KUTRIFast W2000 is used for concreting to an air temperature of 0°C, taking into account:

- use cement with higher hydration heat and lower standard consistency
- do not use an engine that is frozen or mixed with snow
- use **KUTRIFast W2000** plasticizing effect and prepare the concrete with reduced water content
- protect concrete from the direct effects of frost and wind according to EN 13670

Mixing with other additives

KUTRIFast W2000 can be combined with the **KUTRICrete** superplasticizer to prepare liquid, pumped concrete, or to take advantage of other properties of the superplasticizer.

Combination with additives that slow down the speed of setting and hardening of concrete should be avoided like **KUTRIard**.

Packing and storage

KUTRIFast W2000 is durable for one year in tightly sealed packaging.

KUTRIFast W2000 is delivered in 50 kg cans, 250 kg barrels and 1300 kg IBC containers.

Replaces all previous releases for this product.
January, 2024.



CONFIRMATION OF CONFORMITY	DECLARATION OF PERFORMANCE 2477-CPR-2790-011
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KUTRILIN d.o.o. 10000 Zagreb Radnička cesta 173P 23 2477-CPR-2790-011
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HRN EN 934-2:2012 Water reducing/ plasticizing admixture KUTRIFast W2000

Chloride ion content	≤0,1% by mass
Alkali content	≤2,0% by mass
Corrosion behaviour promotion effects on steel embedded in concrete	No corrosion
Hazardous substances	Do not content

1. Inique identification mark of product:
KUTRIFast W2000
2. Intended use of the construction product acc to EN 934-2: **Water reducing/ plasticizing 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 934-2:2009+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
6. Evaluation of characteristics in relation to standard requirements

An imporatant feature	Property
Chloride ion content	≤0,1% by mass
Alkali content	≤2,0% by mass
Corrosion behaviour	<i>No corrosion promotion effects on steel embedded in concrete</i>
Hardening accelerating/ compersive strenght development T7	<i>Pass</i>
Air content in fresh concrete T7	<i>Pass</i>
Dangerous substances	<i>See Material-safety data sheet</i>

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, 2023.