KUTRILIN

TECHNICAL DATA SHEET

KUTRIFLY

Fly ash for concrete

SCOPE AND PROPERTIES

Siliceous fly ash for concrete is fine powder of mainly spherical, glassy particles and chemically, is a pozzolan.

When mixed with lime (calcium hydroxide), pozzolans combine to form cementitious compounds. Concrete containing fly ash becomes stronger, more durable, and more resistant to chemical attack.

Commonly used for:

- Regular concrete
- Steel reinforced concrete
- Prestressed concrete
- Concrete all strenght classes
- Concrete for all conditions

PRODUCT SPECIFICATIONS

Chemical	Siliceous fly ash SiO_2+ Al_2O_3+ Fe_2O_3 ≥ 80% by mass CaO ≤ 10% by mass
Physical state	Fine powder
Colour	Gray
Particle density	2,6 ± 0,20 g/cm^3
Loss on ignition	< 5,0 % by mass
Chloride content	≤ 0,10 %

PRODUCT CHARACTERISTIC

With adequate dosage and ratios in concrete recipe, there is possible better:	– workability – ease of pumping – improved finishing – reduced bleeding – reduced segregation – higher strenght – decreased permeability – increased durability – reduced sulfate attack – reduced shrinkage – reduced heat of hydration

TRANSPORT AND STORAGE

Transport	Transport with clean and adequate vehicle and keep from moisture. Vehicle before transport must be free from organic and inorganic substance which may affect quality
Storage	Storage in concrete or metallic silo free from weather conditions, especially moisture
Expiration date	With proprer transport and storage, 6 months

IMPACT ON THE ENVIRONMENT

Less impact on the environment in case with proper handling. Keep aspect on all safety informations in transfer notes. Do not flush uncontrollably into the environment.

SAFETY INSTRUCTIONS FOR HANDLING

In harmony with national standard Bosnia & Herzegovina (place of production);

"Pravilnik o granicama sadržaja radionuklida u hrani, hrani za životinje, lijekovima, predmetima opće upotrebe, građevinskom materijalu i drugoj robi koja se stavlja u promet" (Službeni glasnik BiH 54/14.)

product samples comply with criteria in mentioned standard and may be use for building construction (interion and exterior) and civil engineering.

During manipulation secure adequate ventilation to prevent respiratory issues. Minimalize dust creation, othervise mix with water before removal.

Risk of hazardous substances	R 36/387/38 - Irritating to eyes, respiratory system and skin
Safety handling and first aid	S 22 - Do not breathe dust S 24/25 - Avoid contact with skin and eyes S 36/37/39 - Wear suitable protective clothing, gloves and eye/face protection. S 38 - In case of insufficient ventilation wear suitable respiratory equipment S 46 - If swallowed, seek medical advice immediately and show this container or label

CE MARKING AND LABELLING	DECLARATION OF PERFORMANCE 2477-CPR-2570-V02

CE

2477

KUTRILIN d.o.o. 10000 Zagreb
Factory TE Stanari

19

2477-CPR-2570-V02

EN 450-1:2012
Fly ash for concrete
KUTRIFLY

Fineness category	N
Declared value of fineness	29%
Loss on ignition Category	A
Particle density	2600 kg/m³
Dangerous substances	BiH,RH,A

-according to states National regulations

1. Unique identification mark of product:
Fly ash for concrete KUTRIFLY
2. Intended use of the construction product according to the manufacturer's recommendation: for the preparation of **concrete, mortar and injection grouts**
3. Name, registered trade name or registered trademark and contact address of the manufacturer:
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 1+**
5. The product is in compliance with the harmonized standard
EN 450-1:2012 Fly ash for concrete - Part 1: Definition, specifications and conformity criteria
Name and identification number of the notified body: Institut IGH d.d., NB 2477
6. Evaluation of characteristics in relation to standard requirements:

An important feature	Property
Activity index (compressive strenght)	*Pass*
Fineness	*29%*
Soundness	*Pass*
Loss on ignition	*Category A*
$SiO_2+Fe_2O_3+Al_2O_3$	*Pass*
Alkalis	*Pass*
Reactive SiO_2	*Pass*
Sulphate content SO_3	*Pass*
Chloride Cl	*Pass*
Magnesium oxide MgO	*Pass*
Soluble phosphate	*Pass*
Particle density	*2600 ±200*
Initial setting time	*Pass*
Dangerous substances	*NPD[1]*

NPD:No Performace Determined.
1) **KUTRIFLY** containes no substances which, if released from concrete, mortar or grout, are dangerous for health, hygiene and the enviroment. Product is REACH registered No1907/2006 number EC 931-322-8 and has no danger properties according to CLP. In accordance with article 31 of the REACH no additional information is necessary.

7. The product type described in item 1 is in compliance with the stated properties from item 6. Only the manufacturer designated in point 3 is responsible for issuing the declaration of performance.

Zagreb, June 2021.