

Product Data Sheet
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Proash

High Quality Classified Fly Ash For High Performace Concrete

Description

PROASH is a pozzolan for concrete, consisting of the finally divided residue that result from the consumption of ground or powdered coal . according to ASTM C618 . A pozzolan reacts chemically with calcium hydroxide produced from the hydration of cement to form additional cementious content.

Where to use

- PROASH can be used as a pozzolan in any concrete application.
- It is benefical in high performance concrete application .
- It is effective at mitigating problems associated with (ASR) reaction.
- In mass concrete placement where low heat of hyderation are required.

Advantages

- Provides easier placment
- Improves pumbablitiy
- Improves finishability
- Reduces water requirment .
- Increases the ability of concrete to residit sulfates attack & ASR reaction
- increase ultimate strength .
- reduces drying shrinkage & creep.

Properties

Specific Gravity	2.53
Typical mean particle size diameter	25 mm

It complies with ASTM C618 & BS 3892 part 1

How to use

Mixing:

- PROASH is added with the cement to the concrete at the batching plant before the gauging water.
- Mix designs containing 5 to 20% PROASH based on proportioned cement weight. Are common to achieve the desired fresh and hardened concrete properties.

Application:

- Low dosages (<5%) of white PROASH. May actually perform as a mild flow enhancer, replacing and freeing water from between cement grains.
- At higher dosages white PROASH, will have a negative water demand on the mix and will require the use of water reducing admixture to control slump and workability as (KEMFLOW super F).
- White concrete in addition to architectural applications is commonly used for light reflectivity and safety go hand – in – hand while improving durability properties.
- White PROASH will not discolor specially colored mortars, grouts, architectural casting.
- Optimum mixing time 2 minutes.
- The water quantity should be measured carefully according to the final consistency needed.
- PROASH concrete should be handled and placed as conventional concrete.
- Curing should be commenced immediately after placement.

Dosage :

5-20% of the total cementition content.

Packaging:

25 kgm bags.

Storage:

Unlimited in the original un opened package stored in appropriate condition

Health and Safety

This product is of low toxicity but normal precautions should be observed. Wear gloves, and if working overhead or spraying, wear goggles. Wash off any skin splashes with soap and water. Eye contamination should be treated by irrigating the eye with an eye bathing solution. Ensure adequate ventilation in confined spaces and use breathing aids. If ingested, drink milk or water and seek medical attention.

Additional Information

PROKEM provides the construction industry with a comprehensive range of construction chemicals and specialty products answering the queries of modern engineers for trouble free durable structure. PROKEM designs tailor made products should there be critical application that requires specific properties rather than our main range.

For our customer's satisfaction, PROKEM extends technical services to include after sales support to assist users in a proper handling of our products.