



ROCK F111

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📍 طريق الزقازيق الاسماعيلية الزراعى



Water Reducing Concrete Admixture

Product Description

ROCK F111 is water reducing concrete admixture formulated from high grade polymers specially designed to impart a fluid concrete easily flowing and maintain-ing workability with high early strength espe-cially in hot climatic conditions.

ROCK F111 allowing mixing water of con-crete to be reduced considerably and con-crete strength to be enhanced significantly paretic early at early ages.

ROCK F111 enabling the water content of concrete to perform more effectively and im-proving the consistency of the concrete.

This produces higher workability for the same water content, allowing water reduc-tion and increased strengths.

Advantages

- Highly decrease mixing water thereby sig-nificantly increase strength.
- Production of very flow able concrete with a low w/c ratio.
- Reduce cement content.
- Increase early strength.
- Improve durability and minimize permea-bility.
- Increase cohesion so decrease the risk of
- Increase surface finish.
- Minimize bleeding and shrinkage.
- Safe for use with reinforced concrete be-cause it is chloride free.
- Reduce line friction so improve pumping.
- Generally improve the properties of fresh and hardened concrete.

Uses

Ready mixed concrete.

Pumping concrete.

Mass concrete.

Casting in hot weather.

Pre-cast concrete elements.

Production of self-compacting concrete.

Low w/C ratio concrete.

Standards

ROCK F111 complies with ASTM C494 type F and BS 5075 part 3.

Dosage

The optimum dosage of ROCK F111 to meet specific requirements should be determined by trial mixes using the materials and condition that will be experienced in use. The normal dosage range is %3.00-0.5 by

Direction of uses

ROCK F111 never added to the dry mix.

Water reduction is higher if the admixture is added to the concrete after 75-50% of the mixing water has been added

Properties

Specific gravity	1.16 ±0.02 at 25 °c
Chloride content	Nil
Colour	Dark brown liquid
Toxicity	Non toxic

Compatibility

ROCK F111 is compatible with all types of Portland cements including SRC and cement replacement materials.

ROCK F111 is compatible with all other ROCK admixtures

Packaging

ROCK F111 is supplied in 1000 ,210 ,20 liters.

Storage and shelf life

ROCK F111 has a shelf life of 12 months when stored in normal temperature and shaded area.

Technical support

For any technical support do not hesitate to contact us.

ROCK can Provide an assistance on mix design, admixture selection and evaluation other concrete components.

Safety precautions

ROCK F111 is not a fire or health hazard. Spillages should be washed down immediately with cold water.

