

# ROCK G4010



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📍 طريق الزقازيق السماعلية الزراءى



# Medium Range Water Reducing and Retarding Concrete Admixture

## Product Description

ROCK G4010 is a Medium Range water reducing concrete admixture formulated from high grade polymers specially designed to impart a fluid concrete easily flowing and maintaining workability with high early strength especially in hot climatic conditions.

ROCK G4010 enabling the water content of concrete to perform more effectively and improving the consistency of the concrete.

This produces higher workability for the same water content, allowing water reduction and increased strengths.

## Advantages

- Improve workability of fresh concrete.
- Increase slump retention.
- Long lasting control of slump loss.
- Increase water reduction thereby increase strength.
- Reduce cement content.
- Increase early strength.
- Improve durability and minimize permeability.
- Increase cohesion so decrease the risk of segregation.
- Increase surface finish.
- Minimize bleeding and shrinkage.
- Safe for use with reinforced concrete because 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.  
Long distance transport.  
Casting in hot weather.  
Pre-cast concrete elements.  
Production of self-compacting concrete.

## Standards

ROCK G4010 complies with ASTM C494 type G and BS 5075 part 3.

## Dosage

The optimum dosage of ROCK G4010 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 0.25-0.5 by weight of cementitious material.

## Direction of uses

ROCK G4010 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	1.17 ±0.02 at 25 °c
Chloride content	Nil
Colour	Dark brown liquid
Toxicity	Non toxic

## Compatibility

ROCK G4010 is compatible with all types of Portland cements including SRC and cement replacement materials

**ROCK G4010 is compatible with all other ROCK admixtures.**

## Packaging

ROCK G4010 is supplied in 1000 ,210 ,20 liters.

## Storage and shelf life

ROCK G4010 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 G4010 is not a fire or health hazard. Spillages should be washed down immediately with cold water.

