

TECHNICAL DATA SHEET

A220 BLOCK FILL & GROUT MODIFIER

Expanding & plasticising admixture for grouts

DESCRIPTION

RB 6.01 A220 Block Fill & Grout Modifier is a special blend of expansion additives and other admixture powders. The powder contains an expansion additive, a super-plasticiser additive, and anti-bleed agents. A220 also contains a stability aid for high flow materials. This admixture is used to minimise settlement and segregation of the mix, and to produce flowing materials that are dimensionally stable and effective at filling voids. A220 has been formulated to produce expansion between placement and the initial set of the grout. The product is packaged in boxes of 12 x1 kg units and has a shelf life of 2 years.





SPECIAL PROPERTIES

- Factory produced, quality assured and ready to use.
- Packaged in 1 kg water soluble bags.
- Quickly and easily mixed and dispersed in water.
- Produces a positive expansion resulting in a reduction of plastic settlement and cracking.
- Reduces the segregation of sand and aggregate and eliminates bleed water.
- Reduces the water/cement ratio of cementitious mixes.
- Enhances the flow, penetration and filling of cracks, crevices and voids.
- Increases the compressive, tensile and mechanical strengths of grouts and concretes.
- Decreases the permeability of the cement and promotes durable materials.
- Economical, non-toxic, user friendly and safe to use.

USES

- As an expansion agent for block fill grout (1kg per m³).
- To produce homogeneous flowing, cementitious grouts, mortars and concretes.
- To effect positive expansion and reduce settlement in cementitious materials.
- To penetrate and fill voids in rubble, rock, masonry, brick and concrete.
- To fill cables and ducts, holding down assemblies.
- To provide contact and load bearing surfaces between structural elements.
- Cementitious materials for structural applications to meet strength requirements.
- For Grouts under structural baseplates, machines baseplates and crane rail tracks.
- Underpinning and stabilising loose floor slabs in paths, carparks and roads.
- To enhance the resistance of cement against chemical attack.

MIXING INSTRUCTIONS

RB 6.01 A220 should be added to the mix just prior to being placed as the super-plasticising admixtures have a limited life. The dosage rate is normally 0.2%-0.25% by weight of the cement powder contained in the mix: 200-250grams of A220 per 100 kg of cement. It is recommended to use 1 kg of A220 per m³ of block fill grout. If adding the A220 to the mix water, then add the cement and the remaining ingredients of the mix and mix until homogeneous.

APPLICATION PROCEDURE

Carry out and finalise any preparation necessary before mixing and placing the grout or concrete. Mix the ingredients, pour and place.

1kg water soluble bags should be placed in the concrete mixer/truck just prior to the pour, and mixed for 5 minutes.

IMPORTANT NOTES

The Superplasticising additive has a limited life span. The mix should be poured within 30 minutes of Rockbond A220 being added.

The Expansion additive in the admixture is temperature dependent and will cease to work below 5degC

HEALTH AND SAFETY

Rockbond Special Concrete Products are non-toxic and safe to use. However, use the same precautions as with any cementitious product, wear goggles, protective clothing and a dust mask while mixing and applying the material.

TECHNICAL INFORMATION

Should you have any queries, or require further information, please contact our **Technical Sales Team: +64 4 568 5401**