

ROCKBOND EXPANDING POWDER (A220)

Expanding admixture for grouts and concrete

DESCRIPTION

ROCKBOND ADMIX 220 (RB 6.01) is a special blend of aluminium powder and other admixture powders, forming an expansion agent for grouts and block filling. The powder contains an expanding additive, super-plasticising and anti-bleed agents. The admixture contains a stability aid for high flow materials. The 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 admixture 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 units for convenient use.
- Quickly and easily mixed and dispersed in water.
- Produces a positive expansion and reduces 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 creaks, 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.
- Under structural baseplates, machine baseplates and crane rail tracks.
- Underpinning and stabilising loose floor slabs in paths, car parks and roads.
- To enhance the resistance of cement against chemical attack.

MIXING INSTRUCTIONS

ROCKBOND ADMIXTURE 220 (RB 6.01) 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 ROCKBOND ADMIXTURE 220 (RB 6.01) per 100 kg of cement. It is recommended to use 1 kg of A220 per m³ of block fill grout. If adding the admixture 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.

Cure any exposed material with ROCKBOND MEMBRANE CURE (RB 7.11). Spray or brush apply the curing agent at 8m²/Litre.

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:

CONTACT DETAILS

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