

Multi Pre-Packed 1038 Gunnite

Natural Aggregate, High Strength, Non-Shrink, Gunitable mortar. Packed in 25kg bags.

Description

Multi pre-Packed Gunnite 1038 is a Pre-mixed ready to use Gunitable mortar blend. The product consists of a graded silicious sand (2-3mm top size). Blended with Portland cement (52.5) and proprietary chemicals, fibres and set controlling additives to achieve controlled setting and workability characteristics with no shrinkage.

Typical Applications

- * Repairs to heavy wear areas such as water canals
- * Repairs to exposed concrete surfaces
- * Repairs to brick wall surfaces.
- * Material can be applied as a loose slump finished product.

Advantages

- * Economical
- * Easy to use and apply
- * High Early strengths
- * Increase abrasion resistance
- * Concrete appearance
- * Bonds well to existing concrete / brick surfaces
- * Early trafficable

Typical Properties

- * Non-Shrink
- * Operating temperatures 10°C - 40°C
- * Cement water ratio constant
- * Water demand: 4L/Bag
- * Storage Life: Up to 1 year when stored under cover and in dry condition

Mixing Instructions

Preparation

- * All equipment must be free of grease, oil and dirt and the concrete surface must be scabbled and cleaned and be well saturated for 24 hours prior to guniting

Hot and Cold Temperatures

Temperatures of both the guniting material and all elements coming into contact with the Gunnite material should be in the range of 10°C to 26°C. Do not Gunnite in freezing conditions

Mixing

- * Pour approximately three quarters of the required water into the mixer and slowly start mixing while adding the powdered product.
- * Gradually add the balance of the water to bring the slurry to the required consistency
- * Transfer the mixed product into a suitable Gunnite application machine, equipped with the correct pressure to apply the mixture onto the required surfaces at the specified thicknesses.

- * Using a straight edge, strike off the excess Gunnite and level the wet surface using a standard steel trowel. Let the Gunnite material harden before applying a suitable curing compound such as Multi Cure 200.

Strength Development

The strength of Multi 1038 Gunnite is dependent on the water demand, temperature curing and age of the hardened product. 28 Day strengths will range between 42-48 Mpa with a water demand of 4.2L/bag.

Watch Points

- * Site tests should be determined on desired placing consistency rather than strictly on the specified water content. Increased water requirements will affect the final strengths of the finished product in place.
- * Continuous Guniting of the product is recommended in order to prevent cold joints and in turn cracking.
- * Do not use contaminated water of water in an amount or at a temperature that will produce bleeding, segregation, delayed hardening resulting in low strengths

Cleaning Instructions

- * Clean all mixing and application equipment with water immediately after use
- * Clean any spatters or spills with water before material sets

Packaging

Multi Pre-packed 1038 Gunnite is supplied in 25kg Polypropylene bags

Guarantee

The product is guaranteed when used in accordance with correct product application and instruction procedures. For further technical information, please contact MCC LIMPOPO.

Quality Assurance

Multi Pre-Packed 1038 Gunnite is manufactured under strict quality control procedures and tested in accordance with proven quality testing procedures and standards.

Environmental and Safety Precautions

- * Multi Pre-Packed 1038 Gunnite contains Portland cement and is alkaline on contact with water.
- * Avoid splashing into eyes or contact with skin
- * Use the required protective clothing, gloves and goggles
- * In case of eye contact, flood eyes repeatedly with water.
- * Wash hands thoroughly after handling.