



Chloride Free, Multipurpose, Guniting and Shortcrete Accelerator

General

SS - QuickSet GP is a Chloride Free, Multipurpose, Guniting and Shortcrete Accelerator. It is available both in liquid and powder form making it suitable for shotcreting both in dry and wet systems. **SS - QuickSet GP** makes spraying possible in slight moist or wet surfaces which has minor water infiltrations. The bonding with wet areas is enhanced with usage of this product. The use of **SS - QuickSet GP** is compatible with all standard mixes used in guniting / shotcreting containing all types of cements, fibres and supplementary cementitious materials and other admixtures. It reduces rebound and enables overhead spraying in higher thicknesses in a single pass.

SS - QuickSet GP reacts with the mix instantly and hastens setting time leading to quick hardening. The strength development aids in strengthening the base and providing support. It reduces the rebound contributing to economy of the project. Preliminary trials are required to be conducted as per prevailing codes to determine the optimum dosage required under individual conditions. **SS - QuickSet GP** powder is to be added to well-designed concrete / mortar mix and **SS - QuickSet GP** Liquid should be added at the nozzle. The placing should be designed to consider the acceleration of hardening induced by using **SS - QuickSet GP**. To determine the optimum dosage a preliminary trial can be conducted by using 3% by weight of binder and adjustments can be made for a early or delayed setting.

Product Features

- Reduces Rebound
- Enables Higher Thickness in Single Pass
- Chloride Free
- Suitable for Moist // Wet Substrates
- Universally Compatible
- Quick Development of Strength
- Reduced Permeability
- Designed for Overhead Operations
- Enhanced Bonding
- Speeds up the Operation
- Non Flammable
- Creates Reliable Support to Substrates

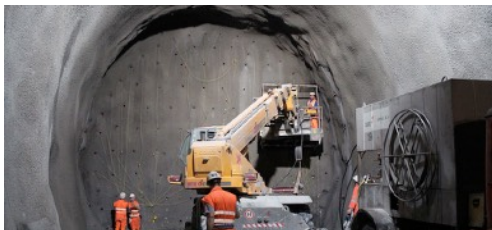


**Concrete &
Mortar Additives**



Areas of Application

- Tunneling, Shafts, Galeries
- Stopping Minor Infiltrations
- Rock and Slope Stabilisation
- Swimming Pools, Water Parks etc.
- For Substrate Strengthening
- In Excavations and Embankments
- For All Shortcrete Application
- Concrete Repair Strengthening
- For Shell Constructions
- Thick Overhead Guniting
- Creating Impermeable Layers



Areas of Application

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|-------------------------------|--|
| Specification Keywords | Shortcrete and Guniting Accelerator, Chloride Free Admixture, Early Setting, OPC, Microsilica, Blended Cements, Fibres, Tunnels and Underground Structures |
| Delivered As | Liquid / Powder |
| Storage Instructions | In Original Packing. In a cool dry place. |
| Shelf Life | 12 Months from date of Manufacture. |
| Post Use | Use Complete Packs, Dispose packaging according to local regulations. |
| Packing Size | Liquid: 30 kg, 230 kg Powder: 30 kg Sacks |

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Hazards and Safety



Technical Data

| | |
|-----------------------------|---------------------------------|
| Form | Powder or Liquid |
| Sp. Gravity (Liquid) | ≈ 1.30 +/- 0.10 |
| Dosage | 1.0 to 5.0% by weight of binder |
| pH | > 8 |
| Chloride Content | < 0.1% |

Instructions for Use

The gunite / shotcrete dry mix to be sprayed is fed into the hopper of the guniting / shotcreting machine, Add **SS - QuickSet GP Powder** to the concrete / mortar mix and water should be added at nozzles. Add **SS - QuickSet GP Powder** to the dry aggregate / cement mix and mix thoroughly. The mixing time after addition of the admixture should be long enough to allow the admixture to disperse in the mix completely. **SS - QuickSet GP Liquid** is to be added at the nozzle to the well designed dry gunite / shotcrete mix. The concrete / mortar to be produced should be mixed in a standard guniting / shotcreting machine. The setting time of mix will vary depending upon ambient temperatures and therefore the dosages should be properly determined taking into consideration the setting and hardening times at different temperatures.

In-case the admixture needs to be dosed on-site please follow corresponding engineering and safety rules. As with all chemical products, take care during use and storage to avoid contact with eyes, mouth, skin or food. In case of contact, rinse eyes and skin immediately with plenty of water. If ingested, seek immediate medical attention. Keep away from children and animals. Reseal containers after use. Do not reuse containers for storing water or other consumable foods. Use Complete Packs.

Safety and Precautions

To determine individual technical suitability, test the admixture under application conditions. Please allow us to assist you for your concrete technology testing/needs. Follow relevant standards for production, placing and curing of concrete. As with any concrete, efficient curing is essential to develop final properties mechanical and durability properties.

Depending upon the concrete mix severe over dosage of the admixture may result in apparent incompatibility such as bleeding/ segregation of concrete, quick setting, excessive air entrainment, etc. Slight overdosing would not severely affect the ultimate strength of concrete provided the concrete is properly mixed, handled and placed and adequately compacted and cured. The mix is highly alkaline in nature so care should be taken while handling the product.