



CONSPRAY 39M

Non-Caustic Shotcrete Admixture

Description

CONSPRAY 39M is a chloride free liquid based on a blend of inorganic powders, which is added to a sprayed concrete mix to impart properties of high build and low rebound. Its pH level is neutral.

Uses

- To enable a high build of sprayed concrete, shotcrete and gunite without slump. To provide set acceleration and reduce rebound

Advantages

- High build enables faster coverage with minimized slump.
 - Can be applied upto 300mm in one application to vertical surfaces and upto 200mm overhead dependent on weight / Volume of aggregate
 - Non caustic leads to safer handling / operating conditions
 - Low rebound – controlled set allows new material to be embedded in applied mortar
- Chloride free liquid

Compliance Standard

- CONSPRAY 39M meets the requirements of ACI 506- 56 (recommended practice for shotcreting – Concrete society Specification for sprayed concrete).

Technical Support

- Redwop provides a technical advisory service for on-site assistance and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

Typical dosage

- The optimum dosage for CONSPRAY 39M to meet specific requirements should always be determined by trials using the materials and conditions that will be experienced in use. This allows the optimization of admixture dosage and mix design and provides a complete assessment of the concrete mix. A starting point for such trials is to use a dosage within the normal typical range of 5.0 litres/100 kg of cementitious material, including PFA, GGBFS or micro silica.

Use at other dosages

- Dosages outside the typical range quoted above may be used if necessary and suitable to meet particular mix requirements, provided that adequate supervision is available. Compliance with requirements must be assessed through trial mixes. Contact Redwop for advice in these cases.

Technical Information

| Properties | Results |
|------------------------|---------------------|
| Appearance | Pale brown liquid |
| Specific gravity gm/cc | 1.40 to 1.45 @ 27°C |
| Chloride Content | Nil (BS 5075) |

Application Instruction

• Mixing and dispensing

A pumpable mix design is required to produce a high workability mix without risk of bleeding or segregation of aggregates. The correct quantity of CONSPRAY 39M is added to the mixer simultaneously with the water.

• Effects of overdosing

An overdose of double the intended amount of CONSPRAY 39M will result in increased setting of the mix before it reaches the surface to be sprayed. It will also result in a loss of strength.

Packaging

- CONSPRAY 39M is available in 220KG Drum.

Storage

- CONSPRAY 39M has a minimum shelf life of 6 months. Store in dry conditions in the original, unopened container. If stored at high temperatures, the shelf life may be reduced.

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