

## TECHNICAL DATA SHEET

# SMART LEVELING<sup>®</sup> CONREP F100

**Versatile Cement-Based  
Non-Shrinking Grout With Fiber.**



### DESCRIPTION

- **SL3<sup>®</sup> Conrep F100** is a single-component polymer-modified structural grout, specifically composed of Portland cement, special aggregates, fibers and unique additives.
- Supplied in dry powder bags, it solely requires the addition of clean water to form a cohesive mortar.
- This versatile product serves as a multi-purpose concrete repair mortar.
- **SL3<sup>®</sup> Conrep F100** usage will not result in any rust, corrosion, or raveling, even under moist conditions.
- **SL3<sup>®</sup> Conrep F100** can generally be applied in thicknesses ranging from 8 mm to 50 mm.

### ADVANTAGES

- Rapid hardening.
- High physical and mechanical properties.
- Non-shrinkage material.
- High-resistant to water.
- High bond strength ensures excellent adhesion.
- External and internal use.
- Thixotropic material suitable for overhead and vertical application.

## METHOD OF USE

- The areas to be repaired must be clean, sound and free of contaminants.
- Before application, saturate the surface with water, then allow it to dry.
- Any loose or deteriorated concrete should be removed using mechanical means.
- For each 25 kg bag of **SL3® Conrep F100**, add 4.5 - 6.5 liters of water.
- Mix the ingredients using a suitable electrical drill for 4-5 minutes or until a uniform lump free homogeneous mixture is obtained.
- Allow the grout to mature for 1 min prior to pouring.
- Apply the paste of **SL3® Conrep F100** using a clean steel trowel.
- Once the **SL3® Conrep F100** has begun to set, it can be sprayed with a small amount of water onto the surface of **SL3® Conrep F100** before final smoothing.
- To cure the **SL3® Conrep F100**, use clean water for three days by spraying twice a day.

## APPLICATIONS

**SL3® Conrep F100 is utilized in:**

- Resurfacing deteriorated concrete.
- Filling voids and tie rods holes.
- Grouting and anchoring structural steel and precast concrete.
- Repair concrete honeycombs.

## CHARACTERISTICS

- **Consumption:** 18 kg/m<sup>2</sup> per 10mm thickness
- **Appearance:** Grey Powder
- **Cl- Content:** Nil
- **Grain Size:** 0 to 2.5 mm plus fiber

## TECHNICAL DATA

**SL3® Conrep F100 at 28 days**

- **Compressive Strength:** 52 Mpa
- **Flexural Strength:** 7.83 Mpa
- **Bond Strength:** 13.3 Mpa
- **Increase in length by:** 0.112 %

## STORAGE

**SL3® Conrep F100** has a shelf life of 12 months from the date of manufacture if stored at temperatures between 2°C and 50°C, away from moisture in unopened bags.

## CAUTIONS: HEALTH & SAFETY

- The product may cause skin irritation.
- It is advisable to wear gloves and goggles.
- In case of contact with eyes or mucous membranes, flush immediately with plenty of warm water and seek medical attention without delay.
- **SL3® Conrep F100** is nonflammable.

## PACKAGING SIZE:

Bag: 50 lbs. (22.7 kg)

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## FOR TECHNICAL SERVICES

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