



# CHEM EPOXY SL

## Heavy Duty Self-Smoothing Epoxy Floor Topping

Data Sheet



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### PRODUCT DESCRIPTION

**CHEM Epoxy SL** is a heavy-duty floor system based on specially selected epoxy resins and hardeners to produce a self-smoothing topping for concrete.

### ADVANTAGES

- Seamless durability
- Easy application
- Excellent adhesion
- Low maintenance

### TYPICAL PROPERTIES

- **Pot Life @20°C:** 65 minutes
- **Recoat time @20°C:** 18 hours
- **Traffic Time (Pedestrian):** 24 hours
- **Light vehicle:** 48 hours
- **Full Cure:** 7 days
- **Colors:** Grey

### APPLICATION INSTRUCTIONS

**Preparation:** All contacted surfaces must be free of oil, grease, or other contamination which may inhibit bond. Any loose concrete should be removed and repaired to provide a solid foundation. Prime porous areas using CHEM Epoxy Binder at 5–7 m<sup>2</sup> per liter. Fill holes or large depressions with an epoxy scratch coat to minimize defects.

#### MIXING:

**CHEM Epoxy SL** is mixed using a drill and paddle. Add the Hardener to the Base and mix for 1–2 minutes. Slowly add the **CHEM Epoxy SL** Fillers while mixing for 3–5 minutes. Only mix the amount that can be used within the pot life (usually one kit at a time).

**Application:** Apply **CHEM Epoxy SL** by trowel to a 2mm thickness evenly. Immediately roll with a spiked roller to remove trowel marks and air bubbles. Roll several times before initial set, always in the same direction.

#### Curing:

Suitable for pedestrian traffic after 48 hours. Allow 7 days for full cure.

### CHEMICAL RESISTANCE

**CHEM Epoxy SL** shows excellent resistance to chemicals, acids, and bases. For more information, please contact CHEM customer service.

### ESTIMATING

**Packaging:** **CHEM Epoxy SL** is supplied in pre-weighed 12 kg kits (Base, Hardener, and Fillers).

#### Material Usage:

- Prime Coat: 5–7 m<sup>2</sup>/liter of CHEM Epoxy Binder
- Top Coat: 5 m<sup>2</sup>/kit
- Thickness 3.0 mm = 1m<sup>2</sup> / 5.5 kg

### STORAGE:

**CHEM Epoxy SL** should be stored in original, unopened containers in a cool, dry place.

### PRECAUTIONS

For temperatures below 5°C or above 35°C, contact technical staff for advice. **CHEM Epoxy SL** is non-toxic but alkaline in nature. Any contact with eyes or skin should be washed off with soap and clean water. Do NOT use solvent. Protective gloves, goggles, and clothing should be worn.

Repeated contact with epoxy resins and hardeners can cause sensitization in some people handling this type of product. If this occurs, seek medical advice before continuing use..

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**CHEM Epoxy SL** may have slight surface imperfections such as dimpling depending on site conditions. These are normal and do not affect the wearing or hygienic properties of the floor but may be noticeable under certain lighting.

**New concrete** should be at least 28 days old or have a moisture content of less than 5% before laying **CHEM Epoxy SL**.

### **NOTE**

Material Safety Data Sheets (MSDS) for these and all CHEMCONS products are available on request. Read the MSDS and product label carefully before use.

All reasonable care is taken in the compilation of this data sheet.

All recommendations regarding use are made without guarantee, as the conditions of use are beyond the manufacturer's control.

### **ALLIED PRODUCTS**

CHEM manufactures a broad range of construction products including:

- Admixtures
- Grouts
- Coatings
- Adhesives
- Sealants
- Waterproof Coatings
- Floor Leveling Compounds
- Concrete Repair

### **WARRANTY**

This product is warranted to be free from defects in material and workmanship, and conform to **CHEMCONS Construction** Chemicals quality control standards.

All recommendations, statements, and technical data herein are based on tests believed to be reliable, but accuracy and completeness are not guaranteed.

No warranty—expressed or implied, including merchantability or fitness for a particular purpose—is given.

Satisfactory results depend on many factors beyond **CHEMCON'S** control.

The user must rely on their own tests to determine suitability for intended use and assumes all risks and liabilities arising from it.

**CHEMCON'S** sole responsibility is to replace any portion of the product proven defective.

Any warranty claim must be made within six (6) months of the claimed breach.

This limited warranty applies only if the product was properly installed, used, and stored as instructed.