

# DURAFLO C10

## COMMERCIAL SMOOTHING AND LEVELING COMPOUND

### DESCRIPTION

**DURAFLO C10** is a hydraulic, rigid and inorganic composite material after high-grade compound formulation. It is specially designed to provide a smooth surface. It is applicable to leveling up indoor floor before construction of plastic floor, rubber flooring, wood floor or carpet. It is highly suitable for cement and sand screeds, concrete, stony floor tile and other firm ground.

### USES

**DURAFLO C10** is used for flooring uneven substrate (concrete, cement mortar, tiles, etc.) prior to the installation of resilient flooring. The thickness of application is 2-5 mm for single layer.

### ADVANTAGES

- ✓ High fluidity, it can level the floor precisely and automatically.
- ✓ Helps increase compactness, rigidity and isotropy of foundation.
- ✓ Reduces void ratio of foundation and enhances uniform absorptivity.
- ✓ Quick setting, facing materials can be coated 1-2 days after.
- ✓ Low contractibility, can prevent floor cracking.

### TECHNICAL DATA

⇒ Appearance		Grey Powder
⇒ Bulk Density		Approx. 1.30 kg/L
⇒ Fresh Mortar		Approx. 2.00 kg/L
⇒ Working Time		20 mins
⇒ Flow Time		15 mins
⇒ Consumption		1.5 kg/m <sup>2</sup>
⇒ <b>Compressive Strength (ASTM C109)</b>	After 1 Day After 7 Days After 28 Days	> 8 N/mm <sup>2</sup> > 23 N/mm <sup>2</sup> > 28 N/mm <sup>2</sup>
⇒ <b>Flexural Strength (ASTM C348)</b>	After 1 Day After 7 Days After 28 Days	> 2.5 N/mm <sup>2</sup> > 5.0 N/mm <sup>2</sup> > 7.0 N/mm <sup>2</sup>
⇒ <b>Falling Ball Rigidity</b>	After 1 Day After 7 Days	25 N/mm <sup>2</sup> 60 N/mm <sup>2</sup>

### SURFACE PREPARATION

The surface must be dry, hard, sound, clean and free from oil, grease, wax, latex compounds and any substance that might act as bond breaker. Use commercial degreaser to remove polish, wax, grease, oil and similar contaminating substances.

#### TYPE



INDUSTRIAL  
FLOORING

#### ADVANTAGES



SELF  
LEVELLING

QUICK  
SET

#### COVERAGE (PER COAT)

1.5 kg/m<sup>2</sup>

#### COATINGS

1 coat (min)

#### COMPONENT

1  
PART

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### PRIMING

PRIMER W should be used as the primer to prevent air bubbles from rising through the applied mortar, maintain floor's life and to promote better adhesion to the concrete substrate.

### MIXING

The use of a mixing paddle with a 10 mm chuck, variable speed electric drill ensures thorough mixing with maximum sheer yet minimum air entrapment and heat build-up. Always add correctly measured water to a clean mixing bucket first. **DURAFLO C10** should then be added whilst stirring slowly. Mix steadily and thoroughly until a lump-free fluid mortar is produced. Continue mixing for another minute until an even consistency is achieved. It is not recommended to split bags of **DURAFLO C10**. One 25 kg bag should be mixed with about 6.0 to 6.5 L of water.

### APPLICATION

Pour **DURAFLO C10** mortar onto the prepared sub-floor using a stand-up spreader or hand trowel to spread the mortar.

The mixed mortar will flow out and self-smooth within the first 20 minutes of its 30 minutes working time.

A 3mm layer of **DURAFLO C10** will be walkable after approximately 5 hours @ 23°C. The time can be reduced at higher temperatures. Floor coverings can be applied within 48 hours.

Apply at surface temperature of 10 – 35°C.

The surface should be covered to provide temporary protection against surface damage and contamination.

### COVERAGE

Approximately 1.5 kg of **DURAFLO C10** for powder/m<sup>2</sup>/mm. The coverage depends on the flatness of the substrate.

### PACKAGING

**DURAFLO C10** is packed in a multilayer paper sack incorporating a polyethylene liner of 25 kg net weight.

### STORAGE

**DURAFLO C10** should be stored under the same conditions as cement, in a cool, dry place away from sunlight. If stored under optimum conditions, it has a shelf-life of up to 6 months.

### PRECAUTIONS

Not suitable for asphalt and timber sub-floors that are subjected to vibration or heavy loads. It is used for internal use only and not suitable for feather edge and thickness under 5 mm thick.

### HEALTH & SAFETY

**DURAFLO C10** contains Portland cement and graded sand. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Wear suitable gloves and keep the product out of reach of children. Avoid generation of airborne dust during mixing. Material Safety Data Sheet is available upon request.

#### Legal Notes:

'Statements made in this bulletin are for the assistance of our customers. They are based on our experience and judgment but must not be regarded as amounting to a legal warranty or as involving any liability on our part. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of this product must test the product's suitability for the intended application and purpose. CHEMIND reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. Users may always refer to the most recent issue of our Product Data Sheet for the products concerned, copies of which will be supplied upon request.'

Made In Malaysia



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#### SCOPE OF REGISTRATION AND STANDARDS

Manufacture of Waterproofing materials. Compliance SIRIM testing. Compliance with ASTM technical standards and AS 3740 - 2004 Australia Standard.

