



CONSOL FLOOR 351 ECOCRETE

Self-Smoothing Epoxy Water Based

DESCRIPTION

CONSOL FLOOR 351 ECOCRETE is a three components, solvent free, odorless, moisture tolerant epoxy water based.

RECOMMENDED FOR

CONSOL FLOOR 351 ECOCRETE is mainly used for the following applications:

- Floor topping on damp and dry substrate
- Repair and maintenance of monolithic concrete floor
- Chemical and pharmaceutical industry
- Food and beverage industry
- Automotive and aircraft servicing facilities
- Production and packaging areas
- Commercial and industrial kitchens

BENEFITS

CONSOL FLOOR 351 ECOCRETE bring some benefits such are:

- Impact and abrasion resistant
- Chemical resistant
- Self-smoothing and good flowability
- Waterbased, solvent free and odourless
- Excellent adhesion to dry, damp, green or saturated surface dry concrete
- Vapour permeable
- Can be applied to fresh and damp concrete
- Resistance to thermal shock
- Adaptable thickness

PRODUCT DATA

Form

Part A : Liquid
Part B : Liquid
Part C : Powder

Appearance

White, cream, green, grey, light grey, stone grey

Packaging

Part A : 3.5 kg
Part B : 5.3 kg
Part C : 21.2 kg

Storage

Dry, shaded place. Protect from direct sunlight and frost.

Shelf Life

12 months from the date of production, if stored properly in original, unopened and undamaged sealed container in dry condition between 10-32 °C. Protect from direct sunlight.

Limitation

- The "matte" of the finish can vary with temperature and the absorbency of the substrate.
- For exact color matching, ensure the **CONSOL FLOOR 351 ECOCRETE** in each area is applied from the same control batch number.

TECHNICAL DATA

Coverage

Primer:

- Scratch Coat: $\pm 0.5 - 1 \text{ kg/m}^2$; or
- CONSOL PRIMER HYBRID EPOXY: $\pm 0.15 \text{ kg/m}^2$; or
- CONSOL FLOOR 162: $\pm 0.1 - 0.2 \text{ kg/m}^2$ (depend on surface condition)
- Self-smoothing: **CONSOL FLOOR 351 ECOCRETE** min. $4 \text{ kg/m}^2 (\pm 2 \text{ mm})$

Pot Life (30 °C)

15 Minutes

Curing Time

Foot traffic : 1 day
Light traffic : 2 days

Full Cure

5 Days

Hardness

Shore D hardness > 80

Strength

Pull off Strength > 15 kg/cm^2

Compressive Strength

$\sim 20 \text{ N/mm}^2$ after 28 days



Flexural Strength

~ 10 N/mm² after 28 days

INSTRUCTION FOR USE

Substrate Condition

Surfaces must be structurally sound, clean, and free from loose particles, oil, grease, and all other contaminants. The compressive strength of the substrates shall not be less than 20 N/mm², and the bond strength of the substrate must be at least 1.5 N/mm².

Surface Preparation

Remove oil, grease and wax contaminants by scrubbing with industrial grade detergent or decreasing compounds followed by mechanical cleaning. Cement laitance, loose particles, mold release agents, curing membrane and other contaminants must be removed from the surface by shot-blasting, scarifying or grit-blasting followed by vacuum cleaning.

Mixing

Add part A, to a clean mixing drum. Add part B to the drum and mix for 10 second until uniform using helical spinner. Add the pigmented part C (powder) and stir for 2 minutes to achieve a fully homogenous consistent mortar. Scrap out residue of previous mix from the sides of the drum and discard before the next pack, stir and mix well both content well with high speed mixer (750 rpm).

Application

Apply CONSOL FLOOR 351 ECOCRETE within its pot life. Spread the composite matrix to thickness 2-4 mm and consolidate with pin rake or notched squeegee set to the correct depth as desired. Immediately release air by spike roller.

Cleaning

Use soap and water. Hardened material may have to be mechanically removed.

HEALTH & SAFETY

Some of the component of this product may be hazardous during mixing and application. Always use with suitable protective gears. Close container tightly after use. Keep out of reach of children.

For further information, refer to the product Material Safety Data Sheet, available upon request.

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Factory

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