



CONSOL FLOOR 163

Solvent Free Epoxy Resin Binder

DESCRIPTION

CONSOL FLOOR 163 is two components, solvent free epoxy resin that can be used to produce a range of epoxy resin mortars for different applications such as priming, mortar screed, crack repair, etc. The resin system is formulated to bind to dry surfaces.

RECOMMENDED FOR

CONSOL FLOOR 163 can be used as primer and adhesion promoter for epoxy and polyurethane floor on:

- Concrete floors
- Cementitious Mortar Screed
- Epoxy Cement Floor
- Epoxy Mortar Floor

BENEFITS

CONSOL FLOOR 163 provides the following beneficial properties such as:

- Low viscosity
- Solvent free
- Low odour
- Excellent bonding strength

COVERAGE

Material consumption approx. 0.1-0.6 kg/m² depends on substrate conditions

PRODUCT DATA

Form

Liquid

Colour

Yellowish

Density (20°C)

Part A ~ 1.16 kg/L

Part B ~ 1.00 kg/L

Packaging

Part A: 6.25 kg

Part B: 3.75 kg

Storage & Shelf Life

12 months in unopened, original containers when stored in cool dry condition below 30 °C

TECHNICAL DATA

Comp Strength

± 70 N/mm²

Bond Strength

> 1.5 N/mm² (failure on concrete)

Shore D Hardness

80

Pot Life (30 °C)

Approx. 20 minutes

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 degreasing compounds followed by mechanical cleaning. Cement laitance, loose particles, mould release agents, curing membrane and other contaminants must be removed from the surface by sanding or grinding followed by vacuum cleaning.

Mixing

As Primer

Mixing use a low speed (300 rpm) electric mixer, mix part A&B for at least 3 minutes until the mix is uniform.

As Scratch Primer

Continue to mix and add 2-6 bags of silica flour 8730 as filler until uniform mix is obtained.

Mixing Ratio:

As primer (by weight) A:B = 6.25:3.75

As Scratch primer (by weight) (A+B):C = 1:1

As Mortar screed (by weight) (A+B):C = 1: (4-6)



APPLICATION

As Primer

Apply **CONSOL FLOOR 163** by squeegee or brush on to the prepared surface.

As Scratch Primer

Pour **CONSOL FLOOR 163** on to the prepared surface and spread using steel trowel.

If the surface has been treated with a moisture barrier, allow the moisture barrier to dry before apply **CONSOL FLOOR 163**.

Curing

At 30 °C, foot traffic access in 6 hours, fully cured in 48 hours.

CONSOL FLOOR 163 can be over coated after 6 hours and maximum 24 hours.

Health and Safety Information

For information and advice on the safe handling, storage and disposal of chemical products, users should refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological, and other safety-related data.

PRECAUTIONS

CONSOL FLOOR 163 contain certain chemicals which can cause skin irritation if exposed and respiratory reaction if inhaled.

- Keep away from open light, including welding
 - Avoid contact with skin and eyes
 - If skin contact occurs, wash skin thoroughly
 - Wear protective glove and eye protection during work
- If in eyes, hold eyes open, flood with warm water and seek medical attention without delay.