



CONSOL HYBRID EPOXY NATURAL

Self-Smoothing and Temporary Moisture Barrier

DESCRIPTION

CONSOL HYBRID EPOXY NATURAL is three components epoxy-cement modified self-smoothing floor topping for:

- leveling or patching concrete surfaces, both unfinished and after grinding or planning
- levelling layer beneath epoxy floor coatings
- for synthetic floor coating, carpets, or wooden parquet.

RECOMMENDED FOR

CONSOL HYBRID EPOXY NATURAL is suitable when used in:

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

BENEFITS

CONSOL HYBRID EPOXY NATURAL provides the following beneficial properties such as:

- Low viscosity
- Good levelling properties and easy application
- Permeable to water vapour
- Excellent adhesion to damp and green concrete
- Excellent early and final mechanical strengths
- Excellent resistance to water and oil

COVERAGE

Material consumption approx. 4 kg/m² for 2 mm layer depends on substrate conditions.

PRODUCT DATA

Form : Liquid and Powder

Color

Resin- Part A : Milky white, liquid
Hardener- Part B : Green to brown, liquid
Part C : Cementitious Grey

Density (25 °C)

Part A ~ 1.05 kg/l
Part B ~ 1.05 kg/l
Part C ~ 1.45 kg/l
Mixed A+B+C ~ 1.85 kg/l

Layer Thickness

Part A : 2.1 kg
Part B : 3.3 kg
Part C : 20 kg
Total pack size : 25.4 kg per set

Storage and Shelf Life

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

TECHNICAL DATA

Chemical Base

Epoxy-Cement modified

Comp. Strength

± 35 N/mm² at 28 days

Flexural Strength

± 10 N/mm² at 28 days

Bond Strength

1.5 N/mm² (failure on concrete)

Shore D Hardness

80 (7 days)

Pot Life (30 °C)

Approx. 20 minutes at 30 °C

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. The substrate temperature shall not be less than 10 °C min./30 °C max. Substrates must be dry or saturated surface-dry (no standing water).



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 shot blasting, scarifying or grit-blasting followed by vacuum cleaning.

Application System

Application on Green Concrete/Fresh and Damp Concrete
Apply primer : Consol Primer Hybrid Epoxy approx. 0.1 – 0.15 kg/m².
Self-levelling floor : **CONSOL HYBRID EPOXY NATURAL** (A+B+C) approx. 4 kg/m² for ±2 mm layer thickness.

Mixing

Shake part A and B vigorously for at least 30 seconds.
Pour the binder mixture (A+B) into a suitable pail (approx. 25 litre capacity) and add part C, whilst mixing with a slow electric mixer (approx. 300-400 rpm). Mix thoroughly for about 3 minutes.

Waiting Time/Overcoating

CONSOL HYBRID EPOXY NATURAL can be overcoated with epoxy based materials as soon as surface moisture content of **CONSOL HYBRID EPOXY NATURAL** is less than 4%, however not earlier than 24 hours

PRECAUTIONS

- **CONSOL HYBRID EPOXY NATURAL** 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.
- Not classified as finishing material, and slightly color difference on result may occurred.

