



CONSOL FLOOR 363

Self Smoothing Solvent Free Epoxy Resin

DESCRIPTION

CONSOL FLOOR 363 is two components binder for:

- High build coating
- Self-smoothing floors

RECOMMENDED FOR

CONSOL FLOOR 363 is suitable when used in:

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

BENEFITS

CONSOL FLOOR 363 provides the following beneficial properties such as:

- Low viscosity
- Good chemical and mechanical resistance
- Easy application
- Gloss finish
- Solvent free
- Low odour
- Excellent bonding strength

COVERAGE

Material consumption approx. 0.2-0.5 kg/m² depends on substrate conditions

PRODUCT DATA

Form

Liquid

Colour

Resin – Part A : Coloured, Liquid

Hardener – Part B : Transparent, Liquid

- Available only in the following standart colours: RAL 7032, 1001, 6010 & 6011 (refer to standart colour chart)
- Under direct sun radiation there may be some discolouration and colour deviation, this has no influence on the function of the coating.

Packaging

Part A= 11.25 kg

Part B= 3.75 kg

Part C= 7.5 kg

Storage & Shelf-Life

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

TECHNICAL DATA

Chemical Base

Epoxy

Comp. Strength

± 70 N/mm²

Bond Strength

>1.5 N/mm² (failure on concrete)

Shore D Hardness

80 (7 days)

Pot Life (30 °C)

Approx. 20 minutes

Solid Content

~100% (by Volume) / ~100% (by Weight)

Chemical Resistance

Resistant to many chemicals, non toxic & sea water resist. Please check table for details.

Thermal Resistance

Exposure	Dry Heat
Permanent	+ 50 °C
Short-term max. 7 days	+ 80 °C
Short-term max. 12 h	+ 100 °C

Short-term moist/wet heat* up to +80° C where exposure is only occasional



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 10⁰ C min./ 30⁰ C max.

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

High Build Coating

1. Surface preparation : shot blasting machine
2. Base coat : **CONSOL FLOOR 165** = 0.2-0.7 kg/m²
3. Top Coat: **CONSOL FLOOR 363** A+B+C: approx. 0.6kg/m²

Self-Smoothing

1. Surface preparation: Shot blasting machine
2. Primer: **CONSOL FLOOR 165**: 0.2-0.7 kg/m²
3. Top coat: **CONSOL FLOOR 363** A+B+C: 1.3-1.4 kg/m²/coat
Mixing ratio:
Comp. A:B:C= 3 : 1 : 2 part by weight

Application in Green Concrete/Fresh and Damp Concrete

Primer: use **CONSOL FLOOR 151**

Substrate: The concrete substrate must be at least 28 days and moisture content max. 5%

Mixing

Prior to mixing stir part A mechanically, when all part B has been added into part A, continuously mix using slow electric mixer (approx. 300-400 rpm) for 2 minutes until a uniform mix has been achieved. When part A and B have been mixed, the silica flour must be mixed with part A and B for a further 2 minutes until a uniform mix has been achieved. To ensure thorough mixing, pour materials into another container and mix again to achieve a consistent mix.

Waiting Time/ Overcoating

Before applying **CONSOL FLOOR 363** on **CONSOL FLOOR 165** allow :

Substrate Temperature	Minimum	Maximum
+ 10 ⁰ C	24 hours	3 days
+ 20 ⁰ C	12 hours	2 days
+ 30 ⁰ C	8 hours	1 days

Before applying **CONSOL FLOOR 363** on **CONSOL FLOOR 363** allow :

Substrate Temperature	Minimum	Maximum
+ 10 ⁰ C	30 hours	3 days
+ 20 ⁰ C	24 hours	2 days
+ 30 ⁰ C	16 hours	1 days