



Sikafloor® 381

Coloured Chemically Resistant Epoxy Resin Flooring System

Technical Data Sheet

DESCRIPTION

Sikafloor 381 is a two component, solvent free, coloured, highly chemically resistant epoxy resin flooring system, filled with sand to produce a self smoothing screed.

USES

- * Chemical process areas.
- * Decontaminable areas.
- * Manufacturing areas.
- * Production areas.
- * Chemical storage areas.
- * Breweries.
- * Laboratories.
- * Food processing areas.
- * Bund linings.
- * Power plants.

ADVANTAGES

- * Excellent chemical resistance.
- * High mechanical resistance.
- * Impervious.
- * Fast curing.
- * Solvent free.
- * Safe to use.
- * High durability.
- * Jointless.
- * Easy to maintain.

FLOOR COATING SYSTEM

Primer: 1 - 2 x **Sikafloor 156/157.**

Top coat: 1 x **Sikafloor 381**

Material consumption: Approx 1.8 kg/m² per mm (filled)

Technical Data (typical)

Colour: Refer to colour chart and current price list for availability and minimum order quantities.

Density (SG): Approx 1.6 kg/litre

Volume solids: Approx 100%

Application temperatures & humidity conditions: +10°C min, +30°C max (Substrate and ambient)
RH 85% max

Substrate M.C.& RH: ≤4% by Wt or ≤75% RH

Application thickness: 1.8 mm minimum
2.8 mm maximum

MECHANICAL PROPERTIES:

Compressive strength: >80N/mm²

Tensile strength: >45 N/mm²

Elongation at break: 2.5%

Abrasion resistance: 60 mg (Taber)

Shore D hardness: 70

Heat resistance: Continuous exposure 50°C
Short term exposure 120°C

CHEMICAL RESISTANCE: Refer to chart (Consult Sika Ltd for additional information)

Additional application information:

	+10°C	+20°C	+30°C
--	-------	-------	-------

Pot life: 60 mins 40 mins 20 mins

Waiting time between coats:

min	24 hrs	12 hrs	6 hrs
max	48 hrs	24 hrs	12 hrs

Final drying times:

Foot traffic:	2 days	1 day	12 hrs
Lightly serviceable:	3 days	2 days	1 day
Fully serviceable:	7 days	7 days	5 days

All above values are approximate.

