



# 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/m<sup>2</sup> 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/mm<sup>2</sup>

**Tensile strength:** >45 N/mm<sup>2</sup>

**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
<b>Pot life:</b>	60 mins	40 mins	20 mins

<b>Waiting time between coats:</b>			
	+10°C	+20°C	+30°C
min	24 hrs	12 hrs	6 hrs
max	48 hrs	24 hrs	12 hrs

**Final drying times:**

	+10°C	+20°C	+30°C
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.

