



Sikafloor® 2420

Clear Epoxy Coating and Impregnation

Technical Data Sheet

DESCRIPTION

Sikafloor 2420 is a two component solvented clear epoxy coating and impregnation. It provides a protective surface treatment for concrete floors and walls.

USES

- * Industrial areas.
- * Abattoirs.
- * Car parks.
- * Workshops.
- * Food processing areas.
- * Manufacturing areas.
- * Laboratories.
- * Storage areas.
- * Breweries.
- * Impregnation for dense concrete substrates.

ADVANTAGES

- * Good abrasion resistance.
- * Excellent pore sealer.
- * Vapour proof.
- * Waterproof.
- * Increased chemical resistance.
- * Prevents dusting.
- * Easy to clean.
- * Can be used externally.
- * Quick drying.

FLOOR COATING SYSTEM:

Light exposure

Base coat: 1 x **Sikafloor 2420**
Top coat: 1 x **Sikafloor 2420**

Medium exposure

Base coat: 1 x **Sikafloor 2420**
Intermediate coat: 1 x **Sikafloor 2420**
Top coat: 1 x **Sikafloor 2420**

Floor Impregnation: 1 - 2 x **Sikafloor 2420** thinned with 50% by wt **Thinner C**.

Material consumption: Approx 0.15 - 0.20 kg/m² per coat.

Technical Data (typical)

Colour:	Transparent
Density (SG):	Approx 0.93 kg/litre
Volume solids:	Approx 27%
Application temperatures & humidity conditions:	+5°C min, +30°C max (Substrate and ambient) RH 80% max
Substrate M.C. & RH:	≤4% by Wt or ≤75% RH
MECHANICAL PROPERTIES:	
Abrasion resistance: (Taber)	88 mg
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:	10 hrs 8 hrs 4 hrs
Waiting time between coats:	
min	24 hrs 12 hrs 10 hrs
max	2 days 2 days 2 days
Final drying times:	
Foot traffic:	30 hrs 24 hrs 20 hrs
Lightly serviceable:	5 days 3 days 2 days
Fully serviceable:	10 days 7 days 5 days

All above values are approximate.

SURFACE PREPARATION

The cementitious substrate should be sound and of sufficient compressive strength. (Min 25 N/ mm²) . Minimum pull off strength 1.5 N/mm².

The surfaces must be dry and free of all contaminants eg oils, grease, surface treatments and coatings etc. The substrate must be prepared mechanically to achieve an open textured fine gripping surface, free of cement laitance. Weak concrete should be removed and surface defects such as blowholes and voids must be fully exposed.

All dust, loose and friable material must be completely removed from all surfaces before application of the coating preferably by brush and vacuum.

Repairs to cementitious substrate and filling of blowholes levelling of irregularities etc should be carried out using an appropriate product from the **SikaDur**[®], **Sikafloor**[®] or **SikaGard**[®] range of materials.

MIXING

Prior to mixing, stir component A (resin), add all of component B (Hardener) and mix both components thoroughly with a low speed electric stirrer (300 - 400 rpm) for a minimum of 3 minutes until a uniform mix has been achieved.

APPLICATION

Prior to application, confirm substrate moisture content and RH. If >4% by wt or >75% RH. **Sikafloor**[®] **EpoCem**[®] may be applied as a D.P.M. system

It is recommended that the base coat of **Sikafloor 2420** is applied by brush. Observe the waiting time between coats and apply additional coats by brush or roller.

Coats that exceed the maximum waiting time can be recoated after reactivating surface with **Thinner C**.

IMPORTANT CONSIDERATIONS

- * Do not apply **Sikafloor 2420** on substrates in which significant vapour pressure may occur.
- * Both **Sikafloor 2420** and **Thinner C** are flammable. NO NAKED FLAMES.
- * Always ensure good ventilation when using **Sikafloor 2420** in a confined space.
- * Freshly applied **Sikafloor 2420** should be protected from damp, condensation and water for at least 24 hours.
- * Avoid puddles on surface.
- * Minimum 3 coats required for chemical resistance.

CLEANING

Use **Thinner C**. Hardened material may have to be mechanically removed.

PACKAGING

Refer to latest price list

CONSUMPTION

Approximately 0.15 - 0.2 kg/m² (These figures do not allow for surface porosity, profile or wastage). Maximum yield per pack - see current price list.

STORAGE AND SHELF LIFE

Minimum 1 year in sealed containers stored in dry warehouse conditions (+5°C - +25°C).

Handling Precautions

Sika products are generally harmless provided that certain precautions normally taken when handling chemicals are observed. The materials must not, for instance, be allowed to come in contact with foodstuffs or food utensils and measures should also be taken to prevent the uncured materials from coming in contact with the skin, since people with particularly sensitive skin may be affected. The use of protective clothing, goggles, barrier creams and rubber gloves is required. The skin should be thoroughly cleaned at the end of each working period either by washing with soap and warm water or by using a resin-removing cream - the use of powerful solvents is to be avoided. Disposable paper towels - not cloth towels - should be used to dry the skin. Adequate ventilation of the working area is recommended. In case of accidental eye or mouth contact, flush with water - consult a doctor immediately. Health and Safety information on Sika Products is available and we strongly advise that this is read prior to their use. Sika products are for professional use and should be stored in sealed containers away from the reach of children.

Important Note

The information, and, in particular, the recommendations relating to the application and end-use of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users should always refer to the most recent issue of the Technical Data Sheet for the product concerned, copies of which will be supplied on request.

Please consult our Technical Sales Department for further information

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