



Sikaflex®-35SL

One Part Polyurethane Pourable Self Levelling Joint Sealant

Technical Data Sheet

DESCRIPTION

Sikaflex 35SL is a one part polyurethane, pourable, self levelling, joint sealant with accelerated curing.

USES

Sikaflex-35SL is suitable for sealing horizontal expansion construction joints in cementitious substrates and synthetic resin floors.

- * Industrial floors.
- * Car park decks.
- * Walkways.
- * Foot bridges.
- * Tile joints.
- * Floor to wall joints.

ADVANTAGES

- * One part - no mixing on site.
- * Pourable direct from stachets.
- * Excellent adhesion to most substrates.
- * Easy to apply.
- * High durability.
- * Good weathering and water resistance.
- * Reduced primer waiting time.
- * Permanently elastic over a wide range of temperatures.

Technical Data (typical)

Colour:	Grey
Density:	1.4 kg/litre
Movement Accommodation Factor (MAF):	10%
Service temperatures: Range:	-40°C to +80°C
Cure rate:	2-3 mm/day (+23°C / 50% RH)
Application temperature:	+5°C min, +35°C max (Substrate and ambient)
Shore A hardness:	35 after 14 days (+23°C / 50% RH)
Tack free time:	2 to 4 hours (+23°C / 50% RH)
Elastic recovery:	> 90% 
Elongation at break:	>400%
Tensile strength at break:	4.0 N/mm ²
Tear resistance:	9.0 N/mm ²
Maximum joint width:	20.0 mm
Minimum joint depth for expansion joints:	8.0 mm
Modulus:	0.30 N/mm ² @ 25% elongation
Maximum slope:	3% (at 2.0mm joint width) For slopes >3% use Sikaflex-Pro3 WF

All above values are approximate.

SURFACE PREPARATION

All surfaces must be sound, clean, dry and free from any surface contaminants.

All loose particles, paint, laitance, rust and other poorly adhering materials should be removed with a rotary mechanical wire brush, grinding or grit blasting followed by blowing out with oil free compressed air. Use epoxy mortars for making good spalled or damaged joints.

Iron and steel must be protected by an anti-corrosion primer such as **Icosit® EG1** prior to joint sealing.

PRIMING

Priming is recommended for all designed movement joints. For the selection of the suitable primer, please consult the **Sikaflex** Primer Chart. Allow primer to become touch dry before applying sealant within minimum and maximum waiting times. When using Sika Primer 3 on moist substrate, maximum substrate moisture content must not exceed 8% by wt.

APPLICATION

- ★ Insert **Sika® Joint Backing Rod** to required depth.
- ★ Apply appropriate primer to joint sides and observe waiting time before application of **Sikaflex-35SL**.

Masking tape should be used where sharp exact joint lines or exceptionally neat lines are required. Remove the tape whilst the sealant is still soft.

- ★ Cut pointed leading edge of satchet to provide suitable pouring nozzle.
- ★ Allow material to flow out of satchet into the joint in a controlled manner to avoid air entrapment. Apply pressure to the satchet if necessary.
- ★ Fill joint with **Sikaflex-35SL** 2.0 mm below the level of the joint edges.

JOINT DESIGN

Refer to BASA/CIRIA Guidelines. (CIRIA Publication 80) and current British Standards.

IMPORTANT CONSIDERATIONS

- ★ **Sikaflex-35SL** should not be used for structural glazing.
- ★ Protect the finished joint from water for at least 12 hours.
- ★ **Sikaflex-35SL** should be used with care in resealing joints that were previously filled with silicone sealants. All silicone residue must be removed.
- ★ Do not use **Sikaflex-35SL** in contact with materials containing bitumen or pitch.
- ★ Not suitable for chemical exposure. Use **Sikaflex-Pro 3WF**.
- ★ For waterproofing use in association with the **SikaDur Combiflex System**.
- ★ **Sikafloor-35SL** should not be applied to coated surfaces.
- ★ Not suitable for contact with bitumen on tar.
- ★ Joints subjected to vehicular traffic and in certain situations foot traffic should be adequately protected (eg metal cover plates).

CLEANING

Clean tools immediately with **Sika Thinner C**.

PACKAGING

Refer to latest price list.

CONSUMPTION

Theoretical consumption of **Sikaflex-35SL** per 500cc satchet (without wastage):

$$\text{Length of joint (m)} = \frac{500}{\text{Joint width (mm)} \times \text{joint depth (mm)}}$$

$$\text{Litres/metre run of joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)}}{1000}$$

$$\text{No of satchets / sausages required for joint} = \frac{\text{Joint width (mm)} \times \text{joint depth (mm)} \times \text{length (m)}}{\text{volume of satchet/sausage (ml)}}$$

STORAGE AND SHELF LIFE

9 months from date of production if stored in cool, dry conditions (@ +10°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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