



TECHNICAL DATA SHEET

SIKAFLEX PRO-3 SELF LEVELLING

Sikaflex PRO-3 SL is a 1-component, moisture-curing, self-leveling, elastic joint sealant with high mechanical and chemical resistance

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Partner Links:

[SD Sealants](https://www.sdsealants.co.uk/) - <https://www.sdsealants.co.uk/>

[Bettamix Concrete Manchester](http://www.bettamixconcretemanchester.co.uk) - <http://www.bettamixconcretemanchester.co.uk>

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Sikaflex® PRO-3 SL

1-part high Performance Self Levelling Sealant for Flooring

Product Description / Uses	<p>Sikaflex® PRO-3 SL is a one part, moisture curing, self levelling elastic joint sealant with high mechanical resistance for the following indoor and outdoor applications:</p> <ul style="list-style-type: none">■ Movement and connection joints in floors■ Pedestrian and traffic areas (e. g. parking decks, car parks)■ Warehouses and production areas■ Applications in the food industry■ Ceramic tiles such as in public buildings etc.■ Floor joints in tunnel construction
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Characteristics / Advantages	<ul style="list-style-type: none">■ Movement capability of 25% (ISO 9047)■ Bubble-free curing■ Self-levelling■ Very good adhesion to most construction materials■ Solvent free and odourless■ Very low emission
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Approvals / Standards	<p>Conforms to EN15651-4 PW EXT-INT CC 25 HM Conforms to ISO 11600 F 25 HM Resistant against waste water according to DIBT guidelines Resistant against diesel and jet fuel according to DIBT guidelines EMICODE EC1 ^{PLUS} R, very low emission ISEGA certificate for foodstuff area usage Conforms to BS 6920 (drinking water contact)</p>
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Specific Ratings	LEED® EQc 4.1	SCAQMD, Rule 1168	BAAQMD, Reg. 8, Rule 51
	passes	passes	passes

Product Data

Colours	Black, concrete grey, further colours available upon request
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Packaging	600 ml foil pack, 20 foil packs per box 23 l hobbock 180 l drum
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Storage Conditions / Shelf-Life	15 months from date of production if stored in undamaged original sealed containers, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.
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Construction



Technical Data

Chemical Base	i-Cure [®] technology polyurethane	
Density	1.4 kg/l approx.	(CQP ¹) 006-4, ISO 1183-1)
Skin Time	100 minutes approx. ²⁾	(CQP 019-1)
Sag flow	Self levelling, can be used on slopes ≤ 3%	
Curing Rate	3.5 mm/24 h approx. ²⁾	(CQP 049-2)
Movement Capability	±25% ±35%	(ISO 9047) (ASTM C719)
Shore A Hardness	28 after 28 days approx. ²⁾	(CQP 023-1, ISO 868)
Tear propagation resistance	8 N/mm approx. ²⁾	(CQP 045-1, ISO 34)
Secant Tensile Modulus	0.45 N/mm ² approx. at 100% elongation ^{2), 3)}	(CQP 020-1, ISO 8339)
Elongation at Break	700% approx. ²⁾	(CQP 036-1, ISO 37)
Elastic Recovery	> 90% ^{2), 3)}	(ISO 7389)
Application Temperature	+5°C to +40°C, min. 3°C above dew point	
Service Temperature	-40°C to +70°C	
Resistance	Sikaflex [®] PRO-3 SL is resistant to water, seawater, diluted alkalis, cement grout and water dispersed detergent. Sikaflex [®] PRO-3 SL is not resistant to alcohols, organic acids, concentrated alkalis, concentrated acids and other hydro carbons than stated above.	

¹⁾ Sika Corporate Quality Procedure

²⁾ 23°C / 50% r.h.

³⁾ conditioning: Method B

Application Details

Joint Design/ Consumption

The joint width must be designed to suit the movement capability of the sealant. In general the joint width should be > 10 mm < 35 mm. A width to depth ratio of approx. 1:0.8 must be maintained

Standard joint widths for joints between concrete elements: with a ΔT^* of 40 °C

Joint distance [m]	2	4	6	8	10
Min. joint width [mm]	10	10	10	15	18
Min. joint depth [mm]	10	10	10	12	15

with a ΔT^* of 80 °C

Joint distance [m]	2	4	6	8	10
Min. joint width [mm]	10	15	20	28	35
Min. joint depth [mm]	10	12	17	22	28

* ΔT is considered to be the difference between the highest expected temperature in use (or lowest, check which case leads to higher ΔT) and the application temperature.

All joints must be properly designed and dimensioned in accordance with the relevant standards, before construction. Basis for calculation of the necessary joint width are the technical values of the joint sealant and the adjacent building materials, as well as the exposure of the building, type of construction and its dimensions.

Approximate consumption

Joint width [mm]	10	15	20	25	30
Joint depth [mm]	10	12	16	20	24
Joint length / 600 ml [m]	6	3.3	1.9	1.2	0.8

Backing: Use closed cell, polyethylene foam backing rods.

Substrate Preparation / Priming

Sikaflex® PRO-3 SL generally has strong adhesion without primers/activators to most dry, clean and sound substrates.

For optimum adhesion and critical, high performance applications such as multi story building work, high stress bonding joints, extreme weather exposure or water immersion the following procedure shall be followed:

Non porous substrates

Aluminium, anodised aluminium, stainless steel, galvanised steel, powder coated metals or glazed tiles have to be cleaned and pre-treated with Sika® Aktivator-205 by using a clean towel. Before sealing allow a flash-off time >15 min (max.6 hours).

Metals like copper, brass, titanium-zinc etc. have to be cleaned and pre-treated with Sika® Aktivator-205 by using a clean towel. After a flash-off time >15 minutes, apply Sika® Primer-3 N by using a brush and allow a flash-off time >30 minutes (max. 8 hours) before sealing.

PVC has to be cleaned and thereafter pre-treated with Sika® Primer-215 by using a brush. Before sealing allow a flash-off time > 30 min (max.8 hours).

Porous substrates

Concrete, aerated concrete and cementitious plasters, mortars, brick, etc. have to be primed with Sika® Primer-3 N by using a brush. Before sealing allow a flash-off time >30 minutes (max. 8 hours).

For detailed instructions consult the Product Data Sheet for pre-treatments or contact our Technical Service Department.

Primers are adhesion promoters. They neither substitute for the correct cleaning of the surface nor improve its strength significantly.

Application Method / Tools

Sikaflex® PRO-3 SL is supplied ready to use.

After suitable substrate preparation, insert backing rod to the required depth and apply primer if necessary. Insert foil pack into sealant gun and extrude Sikaflex® PRO-3 SL into joint making sure that it is in full contact with the sides of the joint and avoid air entrapment.

Masking tape may be used where exact joint lines or exceptionally neat lines are required. Remove the tape within the skin time.

Cleaning of Tools

Clean all tools and application equipment with Sika® Remover-208 / Sika® TopClean-T immediately after use. Once cured the material can only be removed mechanically.

Further Documents available

- Safety Data Sheet (SDS)
- Pre-treatment Chart Sealing & Bonding

