

Technical Data Sheet

Sikaflex[®]-290 DC and Sikaflex[®]-290 DC SL (VP) Weatherproof deck caulking sealants

Technical product data:

Properties	Sikaflex [®] -290 DC	Sikaflex [®] -290 DC SL (VP)
Chemical base	one-part polyurethane	one-part polyurethane
Colour	black	black
Density (DIN 53479) (uncured)	1,2 kg/l approx.	1,2 kg/l approx.
Stability (non-sag properties)	thixotropic, non-sag	slightly plastic consistency, can be applied to gradients up to 5° from the horizontal
Cure mechanism	moisture-curing	moisture-curing
Tack-free time*	60 minutes approx.	60 minutes approx.
Rate of cure*	3 mm per 24 hrs. approx.	3 mm per 24 hrs. approx.
Shrinkage (DIN 52451)	1% approx.	1% approx.
Shore A hardness (DIN 53505)	35 approx.	35 approx.
Tensile strength (DIN 53504)	1,3 N/mm ² approx.	1,3 N/mm ² approx.
Elongation at break (DIN 53504)	> 250%	> 250%
Tear strength (DIN 53515)	10 N/mm approx.	10 N/mm approx.
Application temperature	+5°C to +25°C	+5°C to +25°C
Service temperature	-40°C to +90°C	-40°C to +90°C
Shelf life (stored below 25°C)	9 months for cartridge/unipac 6 months for hobbock	9 months for cartridge/unipac 6 months for hobbock

* = at 23°C and 50% relative humidity

Description:

Sikaflex[®]-290 DC and 290 DC SL (VP) are one-part UV-resistant polyurethane based joint sealing compounds specially formulated for caulking joints in traditional timber marine decking. The sealing compound cures to form a flexible elastomer which can be sanded. Sikaflex[®]-290 DC and 290 DC SL (VP) are manufactured in accordance with the ISO 9001/14001 quality assurance system.

Areas of application:

Sikaflex[®]-290 DC and 290 DC SL (VP) are used exclusively for the caulking of joints in traditional timber strip decking in boat- and yacht-building (secondary sealing).

Cure mechanism:

Sikaflex[®]-290 DC and 290 DC SL (VP) cure by reaction with atmospheric moisture. At low temperatures the water content of the air is lower and the curing reaction proceeds more slowly.

Product benefits:

- one-part formulation
- non-corrosive
- can be sanded
- resistant to UV light and weathering
- resistant to seawater and fresh water

Chemical resistance:

Sikaflex[®]-290 DC and 290 DC SL (VP) offer effective long-term resistance to fresh water, seawater, aqueous cleansing agents.

Both sealants are not resistant to solvents, concentrated acids, caustic solutions and chlorine containing cleaners..

A brief contact with fuels or lubricants has no significant effect on the durability of the sealant.

The above information is offered for general guidance only. Advice on specific applications will be supplied upon request.

Method of application:

Instructions and directions for use of Sikaflex®-290 DC and 290 DC SL (VP) are contained in a special brochure that may be obtained at any time from your local Sika company or agent.

Further information:

Copies of the following publications are available on request:

- Installation guide for deck caulking
- Sika® Primer Table for Marine Applications
- Safety Data Sheet

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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