Industry

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	1-C polyurethane	
Colour (CSQP[1] 001-1)	Black	
Cure mechanism	Humidity-curing	
Density (uncured) (CSQP 006-4)	1,3 kg/l approx.	
Sagging properties	Thixotropic, non-sag	Slightly thixotropic, can be applied to gradients up to 5° from the horizontal
Application temperature	Room temperature	
Tack free time[2] (CSQP 019-1)	70 min. approx.	100 min. approx.
Curing speed (CSQP 049-1)	(see diagram)	
Shrinkage (CSQP 014-1)	3% approx.	
Shore A-hardness (CSQP 023-1 / ISO 868)	40 approx.	
Tensile strength (CSQP 020-3 / ISO 8339)	3 N/mm^2 approx.	
Elongation at break (CSQP 020-4 / ISO 8339)	600% approx.	
Tear propagation resistance (CSQP 045-1 / ISO 34)	10 N/mm approx.	
Movement accommodation factor	10%	
Service temperature (CSQP 513-1) permanent	-40°C to +90°C (°F)	
Shelf life (storage below 25°C) (CSQP 016-1)	12 months for cartridges / unipacs 9 months for hobbocks / drums	9 months for hobbocks / drums

[1] CSQP = Corporate Sika Quality Procedures [2] 23°C / 50% r.h.

Description

Sikaflex®-290 DC and Sikaflex®-290 DC SL (VP) are 1-c 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 Sikaflex®-290 DC SL (VP) meets the requirements set out by the International Maritime Organisation (IMO). Sikaflex®-290 DC and Sikaflex®-290 DC SL (VP) is manufactured in accordance with the ISO 9001 / 14001 quality assurance system and with the responsible care program.

Product Benefits

- 1-C formulation
- Non-corrosive
- Sandable
- Resistant to UV light and weathering
- Resistant to seawater and fresh water

Areas of Application

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

Cure Mechanism

Sikaflex®-290 DC and Sikaflex®-290 DC SL (VP) cure by reaction with atmospheric humidity. At low temperatures the water content of the air is generally lower and the curing reaction proceeds somewhat slower (see diagram)

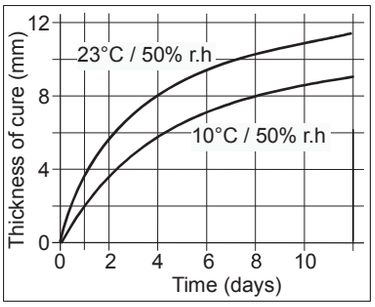

Diagram 1: Curing speed for Sikaflex®-290 DC and Sikaflex®-290 DC SL (VP)

Chemical Resistance

Sikaflex®-290 DC and Sikaflex®-290 DC SL (VP) offer effective long-term resistance to fresh water, seawater, aqueous cleaning agents. Both sealants are not resistant to solvents, 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 given on request.

Method of Application

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

Advice on specific applications is available from the Technical Service Department of Sika Industry.

Removal

Uncured Sikaflex®-290 DC and Sikaflex®-290 DC SL (VP) can be removed from tools and equipment with Sika® Remover-208 or another suitable solvent. Once cured, the material can only be removed mechanically.

Hands and exposed skin should be washed immediately using Sika® Handclean Towel or a suitable industrial hand cleanser and water. Do not use solvents!

Further Information

Copies of the following publications are available on request:

- Material Safety Data Sheets
- Installation guide for deck caulking
- Sika Primer Chart for Marine
- Sika Marine Application Guide
- Sika in Cruise and Ferry
- General guidelines for bonding and sealing with Sikaflex® products

Packaging Information

Sikaflex®-290 DC

Cartridge	310 ml
Unipac	600 ; 1000 ml
Hobbock	23 l
Drum	195 l

Sikaflex®-290 DC SL (VP)

Hobbock	23 l
Drum	195 l

Important

For information and advice regarding transportation, handling, storage and disposal of chemical products, users should refer to the actual Material Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

Note

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