

PRODUCT DATA SHEET

Sikaflex®-268

Assembly & glazing adhesive and sealant for rail applications with acceleration option

DADOS TÍPICOS DO PRODUTO (DADOS ADICIONAIS NA FICHA DE DADOS DE SEGURANÇA)

Base química	1-component polyurethane
Cor (CQP001-1)	Black
Mecanismo de cura	Moisture-curing
Densidade (não curado)	1.3 kg/l
Propriedades de não escorrimento (CQP061-1)	Very good
Temperatura de aplicação	5 – 40 °C
Tempo de formação de pele (CQP019-1)	60 minutes ^A
Tempo aberto (CQP526-1)	40 minutes ^A
Velocidade de cura (CQP049-1)	(see diagram)
Retração (CQP014-1)	1 %
Dureza Shore A (CQP023-1 / ISO 7619-1)	55
Resistência à tracção (CQP036-1 / ISO 527)	6 MPa
Alongamento à ruptura (CQP036-1 / ISO 527)	500 %
Resistência à propagação do corte (CQP045-1 / ISO 34)	13 N/mm
Resistência ao corte por tracção (CQP046-1 / ISO 4587)	4.5 MPa
Temperatura de serviço (CQP509-1 / CQP 513-1)	-50 – 90 °C
Prazo de vida útil (CQP016-1)	cartridge / unipack pail / drum
	12 months ^B 6 months ^B

CQP = Corporate Quality Procedure

^A) 23 °C / 50 % r. h.^B) storage below 25 °C)

DESCRIÇÃO

Sikaflex®-268 is an adhesive system specifically designed for the rail industry. It is suitable for assembly bonding and glazing applications; its outstanding weathering resistivity and unique resistance to a wide variety of cleaning agents make it an ideal solution for use in exterior joints in the rail industry. Sikaflex®-268 is compatible with Sika's black-primerless bonding process. Sikaflex®-268 can be accelerated with Sika's Booster and PowerCure systems.

BENEFÍCIOS DO PRODUTO

- Resistant to a wide variety of cleaning agents
- Passes EN45545 R1/R7 HL3
- Curing can be accelerated with Sika Booster and Sika PowerCure
- Excellent weathering stability
- Very good processing and tooling characteristics
- Solvent-free

ÁREAS DE APLICAÇÃO

Sikaflex®-268 is designed for assembly and direct-glazing applications in rail, the commercial vehicle industry and for the repair market. It exhibits excellent tooling and application properties. With its superior resistance to a wide range of cleaning agents combined with outstanding weathering resistance, it can be used for exterior joints. Seek manufacturer's advice and perform tests on original substrates before using Sikaflex®-268 on materials prone to stress cracking. Sikaflex®-268 is suitable for experienced professional users only. Test with actual substrates and conditions have to be performed ensuring adhesion and material compatibility.

MECANISMO DE CURA

Sikaflex®-268 cures by reaction with atmospheric moisture. At low temperatures the water content of the air is generally lower and the curing reaction proceeds somewhat slower (see diagram 1).

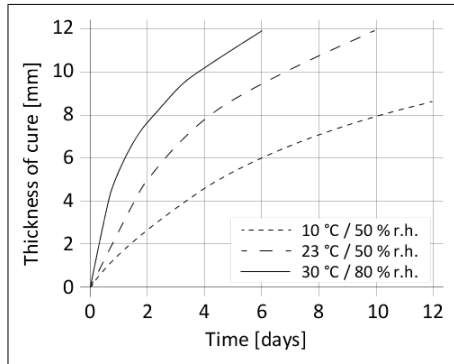


Diagram 1: Curing speed Sikaflex®-268

RESISTÊNCIA QUÍMICA

Sikaflex®-268 is generally resistant to fresh water, seawater, diluted acids and diluted caustic solutions; temporarily resistant to fuels, mineral oils, vegetable and animal fats and oils; not resistant to organic acids, glycolic alcohol, concentrated mineral acids and caustic solutions or solvents.

It is resistant to a wide range of rail cleaning agents if used according to the guidelines of the manufacturer. Some rail cleaning agents contain aggressive chemicals such as phosphoric acids which may influence the durability of Sikaflex®-268 significantly. Therefore it is of highest importance to limit the exposure time to a minimum, observe correct dilution of cleaning agent and to perform a thorough rinsing after the cleaning process. Test newly introduced cleaning agents.

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

MÉTODO DE APLICAÇÃO

Preparação de Superfície

Surfaces must be clean, dry and free from grease, oil and dust. Surface treatment depends on the specific nature of the substrates and is crucial for a long lasting bond. All pre-treatment steps must be confirmed by preliminary tests on original substrates considering specific conditions in the assembly process.

Aplicação

Sikaflex®-268 can be processed between 5 °C and 40 °C (climate and product) but changes in reactivity and application properties have to be considered. The optimum temperature for substrate and sealant is between 15 °C and 25 °C.

Consider the viscosity increase at low temperature. For easy application, condition the adhesive at ambient temperature prior to use. To ensure a uniform thickness of the bondline it is recommended to apply the adhesive in form of a triangular bead (see figure 1).

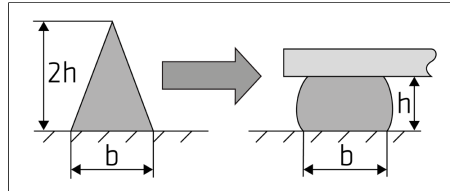


Figure 1: Recommended bead configuration

Sikaflex®-268 can be processed with hand, pneumatic or electric driven piston guns as well as pump equipment. The open time is significantly shorter in hot and humid climate. The parts must always be installed within the open time. Never join bonding parts if the adhesive has built a skin.

For advice on selecting and setting up a suitable pump system, contact the System Engineering Department of Sika Industry.

Alisamento e acabamento

Tooling and finishing must be carried out within the open time of the adhesive. We recommend the use of Sika® Tooling Agent N. Other finishing agents must be tested for suitability and compatibility.

Remoção

Uncured Sikaflex®-268 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 have to be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water. Do not use solvents on skin.

INFORMAÇÃO ADICIONAL

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheets
- General Guidelines
- Bonding and Sealing with 1-component Sikaflex®

INFORMAÇÃO DE EMBALAGEM

Cartridge	300 ml
Unipack	600 ml
Pail	23 l
Drum	195 l

BASE DOS DADOS DO PRODUTO

Todos os dados técnicos referidos nesta Ficha de Produto são baseados em ensaios laboratoriais. Resultados obtidos noutras condições podem divergir dos apresentados, devido a circunstâncias que não podemos controlar.

SAÚDE E SEGURANÇA

Para informação e aconselhamento sobre o manuseamento seguro, armazenamento e eliminação de produtos químicos, os utilizadores devem consultar as respectivas Fichas de Dados de Segurança (FDS) mais recentes contendo os dados físicos, ecológicos, toxicológicos e outros relacionados com a segurança.

EXONERAÇÃO DE RESPONSABILIDADE

A informação e em particular as recomendações relacionadas com aplicação e utilização final dos produtos Sika são fornecidas em boa fé e baseadas no conhecimento e experiência dos produtos sempre que devidamente armazenados, manuseados e aplicados em condições normais, de acordo com as recomendações da Sika. Na prática, as diferenças no estado dos materiais, das superfícies, e das condições de aplicação em obra, são de tal forma imprevisíveis que nenhuma garantia a respeito da comercialização ou aptidão para um fim em particular nem qualquer responsabilidade decorrente de qualquer relacionamento legal poderão ser inferidas desta informação, ou de qualquer recomendação por escrito, ou de qualquer outra recomendação dada. O produto deve ser ensaiado para aferir a adequabilidade do mesmo à aplicação e fins pretendidos. Os direitos de propriedade de terceiros deverão ser observados. Todas as encomendas aceites estão sujeitas às nossas condições de venda e de entrega vigentes. Os utilizadores deverão sempre consultar a versão mais recente da nossa Ficha de Produto específica do produto a que diz respeito, que será entregue sempre que solicitada.

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Sikaflex®-268
VERSÃO 03.01 (11 - 2021), pt_AO
012001212680001000

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