

HOJA DE DATOS DEL PRODUCTO

SikaSeal[®]-178

Acrylic sealant with very low VOC emission for bridging interior wall cracks

DESCRIPCIÓN DEL PRODUCTO

SikaSeal[®]-178 is a water-based acrylic sealant. It is used for bridging cracks on interior walls.

USOS

The Product is used for sealing the following types of joints:

- Connection joints

The Product is used for the following areas:

- Window frames, door frames, and windowsills
- Joints between walls and ceiling
- Holes and cracks in walls

The Product is used on many construction materials and substrates such as:

- Concrete
- Bricks
- Plastered surfaces
- Plasterboards

For information about unsuitable substrates or substrates of limited suitability, refer to section Substrate quality.

The Product is used for interior applications.

CARACTERÍSTICAS / VENTAJAS

- Can be painted with most waterborne paints
- Easy to apply, tool and clean
- Low stress on substrate due to plastic behaviour of the sealant
- Very low VOC emissions
- Good adhesion to many construction materials
- Transportable at -10 °C (max. 24 hours)

INFORMACIÓN AMBIENTAL

- VOC emission classification GEV Emission EC1^{plus}

CERTIFICADOS / NORMAS

- CE marking and declaration of performance based on EN 15651-1:2012 Sealants for non-structural use in joints in buildings and pedestrian walkways — Part 1: Sealants for facade elements

INFORMACIÓN DEL PRODUCTO

Declaración de Producto	EN 15651-1:2012	F INT
Base Química	Acrylic dispersion	
Empaques	300 ml cartridges Refer to the current price list for available packaging variations.	
Vida Útil	18 months from date of production	

Condiciones de Almacenamiento	The Product must be stored in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5 °C and +25 °C. Always refer to packaging. The Product can be exposed once to a temperature of -10 °C for a maximum period of 24 hours. Before use test the Product to confirm suitability. Refer to the current Safety Data Sheet for information on safe handling and storage.
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Color	Available in a range of colours, refer to the price list for further information.
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Densidad	1.60 kg/l	(ISO 1183-1)
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INFORMACIÓN TÉCNICA

Dureza Shore A	50 (after 28 days)	(ISO 868)
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Temperatura de Servicio	Maximum	+70 °C
	Minimum	-25 °C

INFORMACIÓN DE APLICACIÓN

Tixotropía	20 mm profile at +23 °C	< 1 mm	(ISO 7390)
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Temperatura del Producto	Maximum	+35 °C
	Minimum	+5 °C

Temperatura del Ambiente	Maximum	+35 °C
	Minimum	+5 °C

Temperatura del Sustrato	Maximum	+35 °C
	Minimum	+5 °C

Beware of condensation. Substrate temperature during application must be at least +3 °C above dew point.

Velocidad de Curado	+23 °C at 50 % r.h.	4 mm per 24 hours	(CQP049-2)
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Tiempo de Formación de Piel	+23 °C at 50 % r.h.	30 minutes	(CQP019-1)
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NOTAS

Todos los datos técnicos recogidos en esta hoja técnica se basan en ensayos de laboratorio. Las medidas de los datos actuales pueden variar por circunstancias fuera de nuestro control.

DOCUMENTOS ADICIONALES

Pretreatment Chart Constructive Sealants and Adhesives

ECOLOGÍA, SALUD Y SEGURIDAD

Para información y asesoría referente al transporte, manejo, almacenamiento y disposición de productos químicos, los usuarios deben consultar la Hoja de Seguridad del Material actual, la cual contiene información médica, ecológica, toxicológica y otras relacionadas con la seguridad

INSTRUCCIONES DE APLICACIÓN

CALIDAD DEL SUSTRATO

The Product must not be used on the following substrates:

- Bitumen, natural rubber or EPDM
- XPS and EPS insulation boards
- Corrosion sensitive metals such as iron and steel

On the following substrates, the Product may exhibit poor adhesion:

- Polyethylene (PE)
- Polypropylene (PP)
- PTFE (Teflon®)

Perform a preliminary adhesion test on the above substrates before full application.

Contact Sika Technical Services for additional information.

PREPARACIÓN DEL SUSTRATO

Substrate testing

Note: Adhesion tests on project specific substrates must be performed and procedures agreed with all parties before full project application. For more detailed advice and instructions contact Sika Technical Services.

The substrate must be sound, clean, dry and free of contaminants such as dirt, oil, grease, cement laitance, sealant residues and poorly bonded coatings which could affect adhesion of the primer and sealant.

The substrate must be of sufficient strength to cope with the stresses induced by the sealant during movement.

1. Use techniques such as wire brushing, grinding, grit blasting or other suitable mechanical tools to remove all weak substrate material.
2. Repair all damaged joint edges with suitable Sika repair products.
3. Remove all dust, loose and friable material from all surfaces before application of the sealant.

For more details of the primer or pre-treatment products refer to the individual Product Data Sheet. Contact Sika Technical Services for additional information.

APLICACIÓN

IMPORTANT

Strictly follow installation procedures

Strictly follow installation procedures as defined in Method Statements, application manuals and working instructions which must always be adjusted to the actual site conditions.

IMPORTANT

Environmental conditions during application and cure

Changes in the environmental conditions can affect product performance. Skin formation and drying time can be significantly delayed by high humidity, low temperature and large joint dimensions.

- Protect the Product from leaching, do not expose to water until a solid skin has formed
1. Apply masking tape where neat or exact joint lines are required.
 2. Open the seal on the top of the cartridge, or open the end of the foil pack. Fit the nozzle and cut it to the desired size. Insert the product into the caulking gun.
 3. Apply the Product into the joint ensuring that it comes into full contact with the sides of the joint and avoiding any air entrapment.
 4. **IMPORTANT** Do not use tooling products containing solvents. As soon as possible after application, tool the sealant firmly against the joint sides to ensure adequate adhesion and a smooth finish. Use a compatible tooling agent such as clean water to smooth the joint surface.
 5. Remove the tape within the skinning time of the Product after finishing.

OVER-PAINTING THE SEALANT

IMPORTANT

Tacky paint over the sealant

Some paint systems may exhibit plasticiser migration that will cause the painted surface to be tacky.

- Trial the paint system with the Product prior to undertaking the project.

The Product can be over-painted with most conventional paint coating systems. Prior to application test the paint system for compatibility.

1. Allow the Product to fully cure before over-painting.
2. Carry out preliminary trials to test the paint for compatibility in accordance with ISO/TR 20436:2017 - Buildings and civil engineering works — Sealants — Paintability and paint compatibility of sealants

The use of non-flexible paint systems may lead to cracking of the paint coating depending on the movement of the joint.

Colour variation

Note: Colour variations may occur due to the exposure in service to chemicals, high temperatures or UV-radiation, especially with white colour shade. This effect is aesthetic and does not adversely influence the technical performance or durability of the product.

LIMPIEZA DE HERRAMIENTAS

Clean all tools and application equipment with water immediately after use. Hardened material can only be removed mechanically.

RESTRICCIONES LOCALES

Nótese que el desempeño del producto puede variar dependiendo de cada país. Por favor, consulte la hoja técnica local correspondiente para la exacta descripción de los campos de aplicación del producto

NOTAS LEGALES

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Sika Perú

Habilitación Industrial
El Lúcumo Mz. "B" Lote 6
Lurín, Lima
Tel. (511) 618-6060

Hoja De Datos Del Producto

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