

Sika® Adhesive SC1

Sprayable, solvent-based, long-tack contact adhesive

Technical Product Data

Form	Uncured Cured	Low viscosity liquid Tough rubbery film
Colour		Clear
Flashpoint		-17°C
Tack life		15-60 minutes, dependent on humidity and temperature
Cure time	Initial serviceable cure	24 hours
	Full cure	7 days
Viscosity		150cP
Solids content:		20% approximately
Application temperature range:		5°C to 50°C
Service temperature range		5°C to 60°C
Chemical resistance		Good resistance to oil, petrol, dilute acids and alkalis
Toxicity		Non toxic when cured
Water resistance		Excellent
Physical or chemical change		Solvent release
Coverage		Will cover approximately 6-9m ² per litre on smooth surfaces.

Description:

Sika Adhesive SC1 is a general purpose one part synthetic spray grade adhesive that forms a water-resistant bond once cured.

Product Benefits:

- Long tack life enables large areas to be bonded.
- Water resistant bond.
- Can be applied by either brush, roller or spray.

Areas of Application:

Sika Adhesive SC1 is designed as a spray grade adhesive for use on non PVC-backed vinyl, laminates (Laminex and Formica), rubber backed carpets, as well as metal, wood and particle board.

Method of Application:

Surface preparation

The floor covering manufacturer's instructions should be carefully followed. All surfaces must be clean, dry and grease free. Metals and some plastics should be wiped with Sika Thinner C to remove any oil or release agents. For best results floor coverings should be conditioned to room temperature for 48 hours prior to laying.

Application

Stir the adhesive thoroughly before use. Adhesive can be applied by brush, roller or spray equipment. Apply the adhesive as a thin coating to both surfaces. Allow solvents to "flash off" until both surfaces are slightly tacky. Bring the surfaces together, applying pressure from the centre outwards to exclude any air bubbles. Ensure

that the materials are correctly aligned prior to bonding as instant adhesion occurs on contact.

When spraying the adhesive, care should be taken to ensure that the spray gun is held at a 90° angle to the work piece. To avoid feathering the adhesive at the edges and weakening the bond, swing the spray gun obliquely. Follow the instructions of the spray equipment manufacturer.

Sika Adhesive SC1 can be reactivated within 48 hours of application by either infrared heat or brushing Sika Thinner C on the dry film.

Post Forming



Industry

If forming a laminate sheet using Sika Adhesive SC1, using post forming equipment that will apply the correct pressures is critical in achieving a strong bond. Trials with the adhesive will establish the correct temperatures and bonding times.

Cleaning

Clean equipment immediately after use with Sika Thinner C.

Limitations:

Sika Adhesive SC1 is not plasticiser resistant and should not be used with PVC-backed vinyls. Do not subject bond to permanent immersion. Sika Adhesive SC1 will begin to soften beyond 60°C weakening the bond line. Surfaces regularly exposed in excess of 70°C may delaminate. When humidity is high a white "blooming" may be seen on the surface of the adhesive; this will affect the bond strength significantly.

Do not use in contact with bitumen surfaces.

Sika Adhesive SC1 will not bond polyethylene or polypropylene plastics, and may soften or craze some plastics such as acrylic or polycarbonates. Test plastics before applying adhesive.

Sika Adhesive SC1 will yellow on exposure to U.V. light.

Further Information

Copies of the following publications are available on request:

- Material Safety Data Sheet

Packaging Information

Pail	20 Litre
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Important

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

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.

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