

PRODUCT DATA SHEET

Tacly ST

2 Component Polyurethane

DESCRIPTION

Solvent free, 2-component polyurethane manufactured by a company certified according ISO 9001 for quality management, ISO 14001 for environmental care and ISO 26000 for corporate sustainability.

USES

Tacly ST may only be used by experienced professionals.

The nature of the product requires (manufacturer) trained specialists to execute the application.

CHARACTERISTICS / ADVANTAGES

TACLY ST is a durable high quality adhesive, which is mainly used to permanently adhere prefabricated granular rubber- or foam-sheets to concrete, screed, asphalt or wooden subfloors. We recommend that the manufacturer is consulted regarding alternative applications other than the standard sports-flooring systems.

The material has good bonding properties, is non-flammable and shows no shrinkage after curing. Under normal indoor circumstances the required resistance against hydrolyses is offered. In the initial curing phase the product allows positioning corrections of the shock-pad. The balanced viscosity assures a user-friendly character.

PRODUCT INFORMATION

Packaging	Two-can sets of 20 Kg or 5 Kg
Shelf life	Under ideal storage conditions the shelf-life, in original factory sealed cans, is 12 months.
Storage conditions	Store material in a dry, cool (15-25°C) environment where protection against damage is guaranteed. Avoid prolonged storage at temperatures below 5°C or above 30°C. Prolonged storage at low temperatures can result in crystallizing of the B component
Colour	Light-brown (without pigmentation additives).
Density	1,50 Kg/litre

TECHNICAL INFORMATION

Shore A hardness	93	(DIN 53505)
Tensile strength	9 N/mm ²	(DIN 53455)
Tensile strain at break	50%	(DIN 53455)

APPLICATION INFORMATION

Mixing ratio	A : B = 85 : 15 (weight) = 4,33 : 1 (volume).			
Consumption	Strongly depending on subfloor, usually 450 - 900 grams/m ² .			
Curing time	Pot life	60 minutes/10°C	45 minutes/20°C	30 minutes/30°C.
	Tack phase	180-360 min/10°C	90-180 min/20°C	60-90 min/30°C.
		C		
	Setting time	7 hours/10°C	4 hours/20°C	2 hours/30°C
	Light loading	12 hours/10°C	8 hours/20°C	6 hours/30°C.
Full loading	60 hours/10°C	36 hours/20°C	24 hours/30°C.	

BASIS OF PRODUCT DATA

All technical data stated in this Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

ECOLOGY, HEALTH AND SAFETY

Consult the manufactures "Material Safety Data Sheet".
Follow the instructions on the labels.

APPLICATION INSTRUCTIONS

Temperature of material and working area: 10°C to 30°C.
Temperature of subfloor: minimal 3°C above the Dew-point.
Air humidity: max 80%.
Maximum humidity (volume percentage) of subfloor: 3%.

EQUIPMENT

Measuring-cup (in case of 21,2 Kg drums), mixing-blade, low-speed 1.000 Watt electric drill, notched-trowel, Lino-roller (55Kg).
Clean all tools with PULASTIC Thinner 5C05 immediately after use!

SUBSTRATE PREPARATION

The substrate should be level (max. deviation 3 mm under a 3 m straight edge) and free from dirt, dust and moisture. Sanding or other treatment of the substrate may be necessary, to obtain good bonding. Take all the necessary safety precautions. Check availability and condition of materials and equipment. Check if the B component is free of crystallization. Should crystals be found the B component has to be heated to 60°C until all crystals re-dissolve.

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APPLICATION

Premix the A Component and check the condition of the material. Add the complete contents of the B Component and mix A and B thoroughly to a homogeneous mixture. Do not dilute! Clean the upper-ring of the can in case of (B-component) pollution. To gain the maximum flow properties the full contents of the mixture should be poured out as quickly as possible (within the pot-life) and should be spread out immediately. Roll out the shock-pad into the wet adhesive and press down with Lino-roller during the tack-phase

LOCAL RESTRICTIONS

Note that as a result of specific local regulations the declared data and recommended uses for this product may vary from country to country. Consult the local Product Data Sheet for exact product data and uses.

LEGAL NOTES

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 accordance with Sika's recommendations. 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 user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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