

Tacly ST

2 Component Polyurethane

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| Positioning Description | <ul style="list-style-type: none">Solvent free, 2-component polyurethane manufactured by a company certified according ISO 9001:2000 for quality control and ISO 14001 for environmental care.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 shockpad. The balanced viscosity assures a user-friendly character.The nature of the product requires (manufacturer) trained specialists to execute the application. |
| Product Data | |
| Colour | Light-brown (without pigmentation additives). |
| Packing | Two-can sets of 20 Kgs or 5 Kgs. Product identification on A component label: 4PU116 A comp. Product identification on B component label: BU1100. B component can be supplied in 60 Kg drums. |
| Storage Conditions / Shelf-Life | 12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry and cool conditions where protection against damage is guaranteed at temperatures between 15°C and 25°C. 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. |
| Consumption | Strongly depending on subfloor, usually 450 - 900 grams/m ² . |
| Curing Information | Ratio A : B = 85 : 15 (weight) = 4.33 : 1 (volume). 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. 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. |
| Technical Data | |
| Density (at 20 °C) | 1.50 Kg/litre |
| Hardness | 93 Shore A (DIN 53505) |
| Tensile-strength | 9 N/mm ² (DIN 53455*) |
| Elongation at break | 50 % (DIN 53455*) |
| | * Sample 3,500 mm/min. |
| Application Details Conditions | 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%. |
| 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 redissolve. |
| Equipment | Measuring-cup (in case of 60 Kg drums), mixing-blade, low-speed 1.000 Watt electric drill, notched-trowel, Lino-roller (55Kg). Clean all tools with Sika Thinner C immediately after use! |

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| Procedure | 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 potlife) and should be spread out immediately. Roll out the shockpad into the wet adhesive and press down with Lino-roller during the tack-phase. |
| Notes | All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control. |
| Local Restrictions | Please note that as a result of specific local regulations the performance of this product may vary from country to country. Please consult the local Product Data Sheet for the exact description of the application fields. |
| Health and Safety Protective Measures | <ul style="list-style-type: none"> To avoid rare allergic reactions, we recommend the use of protective gloves. Change soiled work clothes and wash hands before breaks and after finishing work. Local regulations as well as health and safety advice on packaging labels must be observed. For further information refer to the Sika Material Safety Data Sheet which is available on request. If in doubt always follow the directions given on the pack or label. |
| Important Notes | <ul style="list-style-type: none"> Residues of material must be removed according to local regulations. Fully cured material can be disposed of as household waste under agreement with the responsible local authorities. Detailed health and safety information as well as detailed precautionary measures e.g. physical, toxicological and ecological data can be obtained from the safety data sheet. |
| 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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