

STAUF

— seit 1828 —



STAUF R 401

Solvent-free 1-component PU adhesive for bonding artificial turf to suitable seaming tape



Technical Datasheet

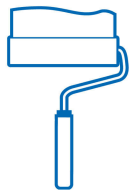
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| Product number | ✓ 127191 |
| Special features | <ul style="list-style-type: none">✓ installation also in extreme climatic conditions (light ground frost, tropical heat and and light rain)✓ accelerated hardening in high levels of humidity✓ very economical✓ can be accelerated by dampening the score marks in the adhesive✓ controlled foaming and thus optimal cover |
| Application range | ✓ Installation of synthetic turf indoor and outdoor |
| Suitable for installation of | ✓ Synthetic turf |
| Suitable sub floors | ✓ Grit or PU-rubber granulated material |
| Suitable underlays | <ul style="list-style-type: none">✓ Seaming tape C 145✓ Seaming tape C 345✓ Seaming tape P 145✓ Seaming tape C 140✓ Seaming tape C 230✓ Seaming tape C 166 |
| product properties | <ul style="list-style-type: none">✓ aging-resistant✓ suitable for grass heating systems✓ high adhesion✓ easy to apply✓ not sensitive to frost✓ heat- and cold-resistant |
| Color | ✓ green |
| Required quantities per m ² | ✓ ca. 200 - 280 g/lfm |
| Open time | ✓ approx. 45 minutes at 20 °C |

| | |
|---------------------------|---|
| Accessibility | ✓ after 24 - 48 hours |
| Additional instructions 1 | ✓ Special instructions: All-over adhesion, usage: ✓ 2900 g/m ² with STAUF notched trowel TKB C 4 ✓ 2250 g/m ² with STAUF notched trowel TKB C 2 ✓ 1800 g/m ² with STAUF notched trowel TKB C 1 ✓ 1350 g/m ² with STAUF notched trowel TKB C 3 ✓ to be used in dry environmental conditions |
| Room climate at work site | ✓ ≥ 0°C |
| Shelf-life | ✓ 9 months |
| Available packaging | ✓ 18 kg plastic bucket |
| Giscode | ✓ RU1 |



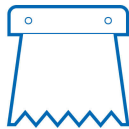
EXAMINATION OF SUB FLOOR

The substrate should comply with the requirements of the directives and standards for synthetic pitches. These requirements include that the substrate should not have any cracks, and be sufficiently firm, dry, level and clean. The substrate should comply with the requirements of the directives and standards for synthetic pitches. These requirements include that the substrate should not have any cracks, and be sufficiently firm, dry, level and clean.



SUB FLOOR PREPARATION

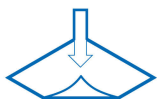
Clean the substrate by mechanical means if necessary (sweep or suction clean), depending on the type of surface. Fill cracks and joints with suitable substrates, and use granulated rubber in conjunction with a STAUF PU binder to repair cracks and joints in elastic rubber layers with a PU binder.



PROCESSING

Several hours before joining the seams, roll out and lay the synthetic turf in the desired place. Insert seaming tape and adhesive into the applicator machine (e.g. STAUF applicator machine), adjust the drag line height on the applicator machine using the movable rail to suit the structure of the synthetic turf backing. Select the quantity of adhesive to be applied to ensure that the entire surface of the turf is lying in a bed of adhesive (the right amount of adhesive is crucial for the seam strength). Affix the seaming tape around the edges of the playing field or court and go along the seam with the applicator machine from one side of the playing field or court to the other. The applicator machine opens the seam, lays the seaming tape crease-free, and applies the adhesive in ridges and automatically lays the synthetic turf back into the bed of adhesive. After a rest period of 15-30 minutes, rub or roll floor covering down thoroughly. If any edges are raised, rub these again for up to 60 minutes. Weigh down the seam if necessary after joining the seam. The adhesive can also be applied using a different type of suitable tool, such as a TKB C1 to C4 trowel.

ACCESSIBILITY

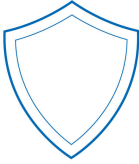


The load-bearing capacity depends on the ambient temperature.



OTHER INFORMATION

Stir before use! The adhesive hardens when reacting with moisture either in the form of air humidity or substrate moisture. The higher the ambient temperature, the faster the adhesive sets. Setting time increases with thickness of the adhesive layer.



LIMITATION OF LIABILITY

The foregoing representations are based on the results of our most current product and material testing and are of a non-obligatory advisory nature only since we have no control over the actual quality of workmanship, materials used and worksite conditions. As such, they do not constitute an express or implied warranty of any kind. The same applies to our commercial and technical consultation services which are provided free-of-charge and without obligation. Therefore, we strongly recommend that prior on-site testing be conducted to observe and study the suitability of the product for the intended purpose. With the release of this technical information, all prior technical information (technical data sheets, installation recommendations and other information regarding similar purposes) becomes invalid.

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