

Artificial Grass Adhesive

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Technical data

Basis	SMX Hybrid Polymer
Consistency	Stable paste
Curing system	Moisture curing
Curing speed * (23°C/50% R.H.)	2 mm/24h → 3 mm/24h
Hardness**	60 ± 5 Shore A
Density	1,55 g/ml
Max. tension (ISO 37)**	3,00 N/mm ²
Elongation at break (ISO 37)**	100 %
Walkable after	24 - 48h
Open time (23°C, 55% RV)*	Ca. 15 min.
Adjustable until	15 - 20 minutes
Consumption*	Trowel B11: 900 - 1200 g/m ²
Temperature resistance**	-40 °C → 90 °C
Application temperature	15 °C → 35 °C

* These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. ** This information relates to fully cured product.

Product description

SODAL Artificial Grass Adhesive is a high strength all weather adhesive based on SMX Hybrid Polymer suitable for bonding artificial grass onto most substrates (except PE, PP, PTFE and bitumen). Suitable for outdoor and indoor use.

Properties

- Green coloured adhesive
- Excellent adhesion on nearly all surfaces, even if slightly moist.
- Permanently elastic after curing
- Easy to apply

Applications

- Suitable for bonding artificial grass onto most substrates (except PE, PP, PTFE).
- Not suitable for professional sports fields

Packaging

Colour: green

Packaging: 5 kg bucket, 15 kg bucket

Shelf life

12 months in unopened packaging in a cool and dry storage place at temperatures between +5°C and +25°C.

Chemical resistance

Good resistance to (salt)water, aliphatic solvents, hydrocarbons, ketones, esters, alcohols, diluted mineral acids and alkalis.

Substrates

Substrates: all usual building substrates, glass, treated wood, PVC, plastics, metals, stone, concrete, ... Not suitable for PE, PP, PTFE and bitumen

Nature: rigid, clean, dry, free of dust and grease.

Surface preparation: Porous surfaces should be primed with Primer 150. All smooth surfaces can be treated with Soudal Surface Activator.

NOTICE: bonding plastics like PMMA (e.g. Plexi® glass), polycarbonate (e.g. Makrolon® or Lexan®) in stress loaded applications can give rise to stress cracking and crazing in these substrates. The use of Artificial Grass Adhesive is not recommended in these applications.

Application method

Application method: Apply the adhesive on the substrate using a notched trowel or dots.

Cleaning: Clean with Soudal Surface Cleaner

Remark: This technical data sheet replaces all previous versions. The directives contained in this documentation are the result of our experiments and of our experience and have been submitted in good faith. Because of the diversity of the materials and substrates and the great number of possible applications which are out of our control, we cannot accept any responsibility for the results obtained. Since the design, the quality of the substrate and processing conditions are beyond our control, no liability under this publication is accepted. In every case it is recommended to carry out preliminary experiments. Soudal reserves the right to modify products without prior notice.

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or with Soudal Swipex, immediately after use
Cured Artificial Grass Adhesive can only be removed mechanically.

Repair: With the same material.

Health- and Safety Recommendations

Take the usual labour hygiene into account.
Consult label for more information.

Remarks

- Given the great diversity of possible surfaces, it is recommended to perform an adhesion test on both substrates prior to application.
- Apply sufficient adhesive: Distance between the adhesive beads of about 2-3 cm and a min. width of 20 cm to be glued on the edge of the artificial turf. At the seams, we recommend gluing a minimum width of 15cm and with a minimum of 7,5 cm under each side. After gluing press down sufficiently long.
- Do not use in applications where continuous water immersion is possible.
- As required by most of the artificial turf manufacturers, we also recommend to additional mechanical fixate the edges of the turf field, especially in places with high load or circulation of people, to provide an additional security.
- Artificial Grass Adhesive is not suitable for use on natural stone, can cause discoloration.

Liability

The content of this technical data sheet is the result of tests, monitoring and experience. It is general in nature and does not constitute any liability. It is the responsibility of the user to determine by his own tests whether the product is suitable for the application.

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