



ADROIT SEAM SEALER

TECHNICAL DATA SHEET

Description

SEAM SEALER is a multipurpose, one-component, high-performance, hybrid polymer-based adhesive and sealant designed for general industry, assembly, and automotive car body repair applications.

Properties

- Remains flexible without bubbling, shrinking, or cracking
- Excellent adhesion to metals, primers, and topcoats
- Resistant to aging, moisture, weathering, and UV
- Does not require preheating
- Good mechanical properties
- Non-corrosive to metals
- Free of isocyanate and silicone
- Good paint compatibility
- Optimal working time
- Direct-to-metal application
- Sag resistant

Application Areas

- Suitable for direct spray applications as a surface adhesive or for beading applications as a seam adhesive and sealant
- Sealing of welded and overlap seams in the construction and automotive industries
- Elastic bonding between metal, plastic, glass, and other materials
- For coating inside car wings, boots, bonnets, and also as an underbody coating
- To prevent corrosion and damp acoustic vibrations as well as mechanical damage

Application Instructions

Application temperature should be between +5°C and +40°C (applies to environment and substrates). Surfaces must be clean, dry, and free of water, oil, grease, and rust. Remove all loose particles or residues using compressed air, sandpaper, or a hard brush.

Apply using a (pneumatic) caulking gun: Cut the sausage pack at the top, screw on the nozzle tip and place it into the gun. By adjusting the nozzle and air pressure, either a smoother or rougher texture can be obtained. It is recommended to perform a small trial first to determine the correct nozzle and pressure combination for the desired final result. Not suitable for PE, PP, PC, PMMA, PTFE, soft plastics, neoprene, and bituminous substrates.

Cleaning: Clean tools with acetone or alcohol immediately after use. Cured material can only be removed mechanically.

Storage & Shelf Life

If stored in a cool, dry place in unopened original packaging between +5°C and +25°C, shelf life is up to 9 months from the production date. Keep away from wet areas, direct sunlight, and heat sources.

TECHNICAL DATA SHEET (TDS)

Technical Properties

Chemical Base: Silyl Modified Polymer

Curing System: Moisture

Density: 1.36 ± 0.03 g/ml

Tack Free Time: 25 ± 5 min (23°C and 50% R.H.)

Curing Rate: ~ 2.75 mm / 24 h (23°C and 50% R.H.)

Shore A Hardness: 55 ± 5

Elongation at Break: $\geq 200\%$ (ISO 37)

Volume Loss: $< 3\%$

Tensile Strength: ≥ 2.00 N/mm² (ISO 37)

Heat Resistance: -40°C to +100°C

Application Temperature: +5°C to +40°C

Safety & Disposal

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

Packaging & Colours

600 ml – 12 pcs (per box)

LEGAL WARNING

The information provided here on ADROIT products, and in particular the recommendations regarding their application and end-use, are given in good faith based on ADROIT's current knowledge and experience when these products are properly stored, handled and applied under normal conditions and in line with ADROIT's recommendations.

Products, application surfaces and application areas are quite diverse in practice. For this reason, when using ADROIT products, be sure to apply the right product in the right conditions and in the right place, and strictly follow the information and instructions given by ADROIT regarding commercial availability and/or fitness for a particular purpose. Otherwise, ADROIT is not responsible for any damages that may occur.

The user (user) of the product should test the suitability of the product for the application and purpose for which he intends to use the product.

ADROIT reserves the right to change the features of its products. The property rights of third parties must be respected.

Acceptance of all orders is based on our current terms of sale and shipping. Users should always consider the latest edition of the local Product Information File of the relevant product, which can be obtained by contacting ADROIT.

ADROIT®