

Technical Data Sheetswiftsupplies.com.au

Weicon Super-Tack is a professional grade adhesive sealant with a very high initial bond strength. Based on MS Polymers, it is completely free of silicones, isocyanate, halogens and solvents. It is also compatible with most types of materials and surfaces including metal, wood, glass, stone, ceramic and the vast majority of plastics.

Super-Tack is typically used for jobs that require a high strength adhesive sealant that will bond fast. It can be used to bond vertically aligned surfaces and parts and will tolerate larger bonding gaps (up to 10mm deep by 30mm wide) without sacrificing bond strength.

This premium grade adhesive sealant has been engineered by Weicon in Germany and is very long lasting. Once fully cured, it will be highly resistant to UV and weathering which makes it ideal for bonding and sealing outdoors. It is also non-corrosive and can be sanded once cured if this is required.

[View This Product](#)**Applications**

- Drywall and interior construction, renovation and DIY work.
- Boat and yacht construction and repairs.
- Bonding and sealing ventilation and air conditioning ducting and parts.
- General engineering and facilities maintenance.
- Metal construction and fabrication.
- Anywhere adhesive sealants containing silicone are not allowed.

Preparation of the Surface

The surface to which Super-Tack will be applied must be clean and grease-free. Many surface contaminants (e.g. oil, dust and dirt) can be removed with Weicon Surface Cleaner. For heavily soiled surfaces we suggest Weicon Cleaner S Spray. Weicon Sealant and Adhesive Remover is suitable for removing old paint or adhesive residues.

Most materials can be bonded well to themselves and among each other. For certain materials or extreme requirements, we suggest the use of an adhesion agent or primer. More information on these are available. Alternatively, a mechanical surface pre-treatment (e.g. sanding or sand-blasting) can considerably improve adhesion.

Application

Super-Tack is supplied in cartridge form and should be applied using a cartridge gun or automatic dosing system.

Joining the parts being bonded

To ensure optimum wetting, the parts must be joined before the first skin has formed on the adhesive (skin-over time).

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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Curing

All Weicon elastic one part adhesives and sealants cure by reacting with humidity in the surrounding

environment. The curing process starts at the surface of the adhesive and proceeds inwards from there. At 50% relative humidity and 23°C, the cure speed is approximately 3mm in the first 24 hours.

Adhesive bonds of large surfaces and high layer thicknesses cure more slowly as the humidity cannot penetrate as quickly towards the inside of the adhesive if the outer layers have already cured. Higher temperature and/or higher humidity accelerates curing while lower temperatures and/or lower humidity slows it down.

Technical Details

Properties

Basis	One Part MS Polymer (1K – Polyoxypropylene)
Colours	White and Grey
Viscosity	Pasty
Density	1.62 g/cm ³
Stability / Run-Off (ASTM D 2202)	<1mm
Processing Temperature	+5°C to +35°C
Curing Temperature	+5°C to +40°C 30% to 95% Relative Humidity
Skin-Over Time	10 Minutes
Cure Speed (first 24 hours)	2-3mm
Volume Change (DIN 52451)	-2%
Gap Fill Max. Depth	10mm
Gap Fill Max. Width	30mm
Shore Hardness (DIN 53504 / ASTM D 412)	50 Shore A
Elongation at Break (DIN 53504 / ASTM D412)	600%
Tensile Strength of Sealant	1.9 N/mm ²
Average Tensile Shear Strength (DIN 53283)	1.5 N/mm ²
Tear Strength (DIN 53515 / ASTM D 624)	13 N/mm ²
Max. Movement Capacity	20%
Temperature Resistance (Continuous)	-40°C to +90°C
Paintable (Liquid Paint)	Only using “wet in wet” within 3 hours (max.) after material application.
Building Material Category (DIN 4102)	B 2
Shelf Life (Stored at +5°C to +25°C)	12 Months

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Weicon Super-Tack Chemical Resistance After Curing

Acetic Acid (<5%)	+	Ketones	-
Acetone	-	Lyes (diluted)	+
Alcohol	O	Methanol	-
Ammonia (10%)	+	Methyl Ethyl Ketone	-
Antifreeze	+	Motor Oil (Mineral and Synthetic)	-
Caustic potash solution (20%)	O	+140°C	-
Citric Acid (10%)	-	Motor Oil (Mineral and Synthetic)	-
Concentrated Formic Acid	-	Naphtha	-
Concentrated Phosphoric Acid	-	Nitric Acid (5%)	-
Concentrated Silicon Oil	+	Paint Thinner	-
Cooling Lubricant (Water Dilutable)	+	Paraffin Oil	-
Diesel / Heating oil	-	Petrol (92 to 100 octane)	-
Edible Oil / Vegetable Oil	O	Phosphoric Acid (5%)	-
Ethanol	-	Salt Water / Sea Water	+
Freon	-	Sodium Hydroxide Solution (20%)	-
Gear Oil	-	Sulphuric Acid (5%)	-
Glycerine (glycol)	+	Toluene	-
Glycol Ether	-	Water	+
Hydraulic Oil	O	Water (90°C)	+
Hydrochloric Acid (5%)	-	Xylem	-
Hydrogen Peroxide (3%)	+		

+ = Resistant

O = Resistant for a Limited Time

- = Not Resistant

Storage

When stored unopened and in normal climatic conditions (23°C and 50% relative humidity) Weicon Super-Tack has a minimum shelf-life of 12 months.

Available Sizes

Weicon Super-Tack is available from Swift Supplies Online in White or Grey 290ml Cartridges. The colours correspond with standard RAL colour codes as per the below:

White = RAL Colour Code 9003

Grey = RAL Colour Code 7000

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