

TOOLBOX ADHESIVE SEALANT

Description

Fuller Toolbox™ is a hybrid moisture curing adhesive and sealant with high green strength for use in a wide variety of critical adhesive and sealing applications. Toolbox™ cures to form a tough, water resistant seal and will adhere to a wide range of substrates. Its versatility means it can replace most water based and solvent based construction adhesives, polyurethane adhesive and sealants as well as silicones in non glazing applications.

Pack Sizes:

- 420g cartridge gray product code 7029774119
- 420g cartridge white product code 7029764119
- 500ml sausage gray product code 7052614237
- 500ml sausage white product code 7052624237

Benefits

- Primerless adhesion to the widest range of surfaces
- Paintable with most WB paints
- Resistant to salt and chlorinated water
- Interior / Exterior – High UV resistance
- Heat resistant to 100°C.
- Solventless
- Rapid skinning and curing
- Non isocyanate based
- Trafficable sealant
- High bond strength - suited to DIY, construction, marine and automotive areas.
- No staining of natural stone, blue stone, granite
- Mould resistant
- Safe on mirrors, except PVC backed mirrors

Uses

- Sealing lap joints in box guttering • sealing air-conditioning ducts
- Adhesive for fixing wall panels to studs, floor boards to joists
- Refixing loose ceramic tile
- Adhering and sealing acrylic/ABS shower units
- Adhering end-caps to retaining walls
- Sealing gaps and expansion joints in concrete, brick, mortar, metal and stonework

Coverage

400g cartridge will give approximately 15 lineal metres of a 5mm bead.

Compatible Substrates

Aluminium	Ceramic
Glass	Steel
Galvanised iron	Polystrene
Plasterboard	Cement render
Timber	Fiberglass
Most plastics (pretest)	ceramics

Service Temperature

Toolbox™ can withstand temperatures between -40°C and 100°C.

Limitations

- Maximum gap 30 mm and maximum movement of 20%
- Not suitable for permanent immersion, e.g. swimming pools or water tanks
- Not suitable for white marble due to potential staining
- Not recommended for acetone sensitive mirror backing
- Not suitable for glazing or external window sealing

Performance Summary

S.G.	1.47 g / mL
Skin Time	32 minutes at 22 degrees,
Reposition Time	25 minutes @ 20°C
Set Through	2-3mm per day
Tear Strength DIN 53504	3.2MPa
Elastic recovery	75%
Modulus of Elasticity DIN 53504 @100%	1.6MPa
Elongation at break DIN 53504	400%
Maximum Deformation	±20%
Hardness Shore A	55±5

Surface Preparation

All surfaces must be clean, sound and free of dust, standing water, oil or contamination. Toolbox™ adhesion can be enhanced with use of

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a primer if surface is very porous and the application requires a high degree of adhesive performance. Clean oily metals with solvent*. Manufacturers of plastics should be consulted about suitable cleaning solvents*.

For difficult substrates, such as coated metals and plastics, bond strength can be improved by light sanding.

Product Application - Adhesive

Cut tip off cartridge. Angle cut nozzle to desired size. Screw nozzle onto cartridge. Apply product to one surface to be bonded. Before product skins, mate with other surface. When bonding a sheet or panel to a large, flat surface, apply 5mm diameter beads every 30-40cm along the entire length. Press into position and brace until set. Any flooring application must be fully bonded, that is a full layer of adhesive over entire area (spot gluing or bead application is not recommended). Temporary or mechanical fixing may be required depending upon substrates. Bond will develop dependant upon thickness of adhesive, and ambient conditions. Higher humidity and warmer temperatures will hasten bond development. Minimum width for bonding application is approx 1mm.

Product Application - Sealant

Cut tip off cartridge. Angle cut nozzle to desired size. Screw nozzle onto cartridge. Apply product in a steady, continuous flow by pushing the sealant ahead of the nozzle so that it completely fills the joint and is in contact with both sides. Immediately after application, tool the sealant using a spatula. Avoid contact with alcohol or other solvent cleaners during cure. Remember to remove masking tape before the sealant skins. A good joint design is imperative if a sound, durable seal is to be achieved.

Joint Design: In general, joints should be designed to be at least 4 times as wide as the anticipated movement. Joint width and depth should not be less than 6 mm and depth should never exceed width.

Depth to Width Ratios

Joint Width	Joint depth
< 10 mm	Depth = Width
10mm-30mm max	10 mm - 15 mm

Modwood Specification

Toolbox™ is approved for bonding ModWood to the KlevaKlip Concealed Fixing System only (bonding ModWood with Toolbox only without any type of fasteners will result in issues due to the plastic component in ModWood)

As a sealant for lap joints

Apply Toolbox™ to one surface as a bead then rapidly assemble the components. For best results, use mechanical fastening. Pre-drill all holes. Toolbox™ will be touch dry in approx 5 minutes (depending on temperature) and is repositionable for up to 10 minutes (again depending on temperature and moisture). Toolbox™ is designed as a sealant for wide and active joints with movement of less than ±20%.

Cure Time

Toolbox™ will form a tack free skin in 15 minutes depending upon conditions. Cure rate is 2-3mm per day depending upon temperature and humidity.

Painting:

Toolbox™ may be painted wet on wet or after it has cured with most WB paints and other systems. Test if unsure.

Clean Up

Clean up uncured adhesive with mineral turpentine . Cured material can be removed by trimming with a knife or scraper .

Safety Information

Toolbox is not classified as hazardous according to criteria of Worksafe Australia. A Material Safety Data Sheet is available from the H.B. Fuller representative your state, HB Fuller Australia customer service, or downloadable from the HB Fuller web site, www.hbfuller.com.au

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