



# TOOLBOX™ HIGH TACK

### Description

Toolbox™ High Tack is a one-part, high modulus hybrid adhesive with superior wet-grab strength that makes it ideally suited to bonding heavy objects such as metal signs to vertical surfaces. Toolbox™ High Tack also exhibits superior grab in overhead applications, making it especially suitable for bonding various ceiling components. In addition, Toolbox™ High Tack provides an efficient seal when compressed between substrates. Toolbox™ High Tack is considered non-hazardous according to GHS regulations.

### Benefits

- Isocyanate-free
- Non-Hazardous
- Free of phthalate plasticizers
- Cures to form a strong bond
- Rapid skinning and curing
- Non-corrosive – Does not attack substrates
- High viscosity – Excellent green strength
- Shock and impact resistant
- No shrinkage
- Very low odour
- Permanently flexible in temperatures between -40°C and +100°C
- Paintable wet on wet with waterbased paints
- Resistant to water, dilute alkalis, cleaning agents, lime water and mould

### Uses

- Bonding metal signs used in sign-writing
- Automotive assembly, including caravan construction
- General assembly where a high level of bond strength and vibration resistance is required
- Applications where a very high level of green bond strength is required
- Installation of ceiling components, including soffit and other composite panels used in shop fit-out

### Performance Summary

S.G.	ca. 1.49
Skin Time	ca. 20 minutes at 23°C
Cure Rate	3mm per day @ 23°C
Tensile Strength (ISO 37 DIN 53504)	ca. 3.2MPa
Modulus of Elasticity DIN 53504 @100%	ca. 2.2MPa
Elongation at break DIN 53504	ca. 230%
Tear Strength (ISO 34-1 method B)	ca. 10kN/m
Hardness Shore A	ca. 60

### Coverage

290ml cartridge will give approximately 8 linear meters coverage when applied using the supplied V notch nozzle.

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### Compatible Substrates

Aluminum	Glass
Masonry	Plasterboard
Steel inc. Galvanized Steel	Timber
Most plastics (pretest)	Anodised Aluminium
Rubbers (Pretest)	Fibreglass
Cement render	Fibre cement sheet
Concrete	GRP

### Service Temperature

Toolbox™ High Tack can withstand temperatures between -40°C and 100°C, with short periods up to 120°C.

### Limitations

- Not suitable as a joint sealant or adhesive for permanent immersion in chlorinated water
- Not suitable for glazing
- Not suitable for joints required to accommodate a large amount of movement

### Surface Preparation

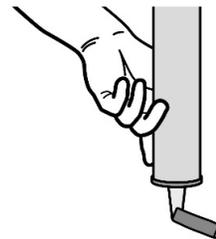
All surfaces must be clean, dry (except for non-porous application indicated below), sound and free of dust, oil, old sealant or other contamination.

Lightly contaminated surfaces should be wiped with Isopropyl Alcohol (IPA) using the 2-rag wipe method. Apply IPA to a clean lint-free cloth and wipe onto the surface to be cleaned to solubilise and remove the majority of the contaminant. A clean dry cloth should

then be applied to remove remaining contamination and dry the surface. Ensure wet cleaner is not allowed to dry on surface. For more heavily contaminated surfaces or where the IPA does not remove the contaminant, a generic wax and grease remover should be applied using the same 2-rag wipe method. Once this has been completed the surface should be given a final clean with IPA using the 2-rag wipe method to ensure the surface is adequately prepared. Adhesion to metals and some surface finishes can be further improved by light abrasion prior to cleaning with IPA using the 2 rag-wipe method. Manufacturers of plastics should be consulted about suitable cleaning solvents. Adhesion to plastics should be pre-tested. Mask either side of joint to produce a neat finish.

### Product Application – Adhesive

Cut tip off cartridge. Screw nozzle onto cartridge. Apply product to one surface to be bonded with the cartridge vertical above the surface having adhesive applied to it (see diagram below).



Before product skins, mate with other surface. When bonding a sheet or panel to a large, flat surface, apply beads every 30-40cm along the entire length. Press into position and brace until set if required. Bond will develop dependent upon thickness of adhesive, and ambient conditions. Higher

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humidity and warmer temperatures will hasten bond development. Minimum film thickness for bonding applications is approx. 2mm. Where a perimeter seal is required apply sufficient Toolbox™ High Tack relatively close to the edge of the substrate being bonded, so that the adhesive squeezes out to fill the gap between the mated materials. Tool off any excess squeeze out with a spatula before Toolbox™ High Tack skins.

#### **Application temperature**

Toolbox™ High Tack should be applied between 5°C and 35°C. Ensure that the substrates are clean and dry when Toolbox™ High Tack is applied and do not apply where conditions may interfere with good bonding / sealing e.g. do not apply if frost or ice is present.

#### **Cure Time**

Toolbox™ High Tack will form a tack free skin in 20 minutes depending upon conditions. Cure rate is 3mm per day depending upon temperature and humidity.

#### **Clean Up**

Clean up uncured adhesive with mineral spirits, IPA, Shellite or other suitable cleaner. Cured material can be removed by trimming with a knife or scraper.

#### **Safety Information**

This product is not considered hazardous under the classification of GHS WHS Version 3. Further safety information is available on the product SDS. Avoid contact with skin and eyes. Store in a dry place below 30°C. Keep out of reach of children. A MSDS is available

from the H.B. Fuller representative in your state, HB Fuller Australia customer service, or downloadable from the HB Fuller web site, [www.hbfuller.com.au](http://www.hbfuller.com.au).

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