



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
- Shore A: 60±5. Suitable as an anti-pick sealant/adhesive in correctional facilities

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 |
| Shelf Life | 12 months unopened |
| 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
- Not suitable as an 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

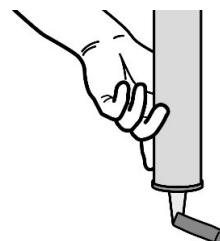
All surfaces must be clean, dry (except for non-porous application indicated below), sound and free of dust, oil, old sealant or other contamination.

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 humidity and warmer temperatures will hasten bond development. Minimum film thickness for bonding applications is approx. 2mm.

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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 8. 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.

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Version 5
TDS Date: 01/10/2025

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