

PROPERTIES

- ▶ One-component moisture cure semi-rigid polyurethane foam
- ▶ Filling, fixing, insulating & mounting
- ▶ Easy usable, no gun needed
- ▶ Applicable with attached application straw
- ▶ Resistant to water, heat, rotting and several chemicals
- ▶ Not UV-resistant
- ▶ Excellent open-closed cells and good mechanical strength
- ▶ Self-expands about two times during curing process

APPLICATIONS

- Insulation of window and door frames
- Filling of cavities
- Sealing cavities around pipes
- Bonding wood, PVC, etc.
- Creating soundproof screens

PROCESSING

Surface Preparation

Substrates must be stable, clean and free of substances likely to impair adhesion. To ensure full and even curing of the foam, moisturize mineral, porous substrates (brickwork, concrete, limestone) with water spray before application. At low temperatures special care has to be taken to avoid freezing of the water on the surfaces. Mask off adjacent areas with foil. The surfaces can be moist, but not frosted nor iced.

Application Method

Shake the can vigorously before use (15 - 20 times). Screw the foaming straw tightly onto the valve. The outflow rate of the foam can be adjusted by pressing and releasing the trigger.

Dispense the foam sparingly; fill the seal for about 50% as the foam will expand.

Repeat shaking regularly during application. This is most when can is used not in an upside down position.

Remove fresh spots of foam with PU foam

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cleaner or acetone. Hardened foam can only be removed mechanically.

Foam overflows' cutting time strongly depends on the conditions.

Full mechanical strength is achieved in 24 hours. Yield of the cured foam largely depends on of working conditions – temperature, air humidity, available space for expanding, etc.

Product does not contain CFC-propellants.

TEMPERATURES

Application

Working temperature: +5°C to +35°C

Can temperature: +5°C to +35°C

Can has preferably to be stored for at least 12 hours in room temperature before commencing with application.

Service

Temperature resistance: -40°C to +90°C, short term peaks up to +120°C

CHARACTERISTICS

Foam density TM 1002:2014	25.3 kg/m ³
Tack free time /dry TM 1014:2013	10 min
Cutting time /dry TM 1005:2013	150 min
Curing pressure /moist TM 1009:2013	2.2 kPa
Post expansion 35mm/dry HENK-PU-14.2	155 %
Dimensional stability TM 1004:2013	n/a
Maximal joint width /dry TM 1006:2013	4 cm
Shear strength /moist TM 1012:2015	56 kPa
Elongation at break dry moist TM 1018:2015	11% 13%
Compression strength 10% dry moist TM 1011:2013	51 kPa 37 kPa
Water absorption 24h EN 1609	n/a
Water absorption 28 day EN 12087	n/a
Sound insulation EN ISO 10140	n/a
Thermal conductivity DIN EN 12667:2001	Not measured. Approximate value 0,037 ... 0,040 W/m*K might be used for calculation purposes.
Joint yield /dry TM 1002:2013	20 m
Yield per can /moist TM 1003:2013	max 41 L

All measurements on norm. climate (+23 ± 2 °C | RH 50 ± 5%) unless indicated otherwise. All tests done on non-aged foam.

STANDARDS

EN 13501

Reaction to fire: class F

IMPORTANT ADVICE

Handling

Protection from accidental rolling and unintended release is a must! Transportation of odd cans by passenger car: leave the container wrapped in a cloth in the trunk, never in the passengers' compartment.

Storage

Can might be stored in vertical and horizontal position.

Shelf Life

Best before 12 months. For longest shelf life avoid storage above +25°C and below +5°C (up to – 20 °C for a short period).

SAFETY

Safety Advice

Consult the Material Safety Data Sheet (mysds.henkel.com) for UniBond Trade 750H. www.unibond-trade.co.uk

PACKAGING

UniBond Trade 750H is supplied in 750ml cans.

DISPOSAL

Product and packaging disposal

Dispose of waste and residues in accordance with local authority requirements (please refer to Safety Data Sheet for more information).

SUBSTRATE COMPATIBILITY

UniBond Trade 750H has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Some metal surfaces might need pre-treatment to enhance adhesion.



750H PU Foam

LIMITATIONS OF USE

Cured PU foam must be protected from UV radiation by painting or applying a top layer of sealant, plaster, mortar, or other type of covering.

Adhesion of the product is weak on polyethylene, Teflon® and some other plastic surfaces.

Limitations to joint maximal width exist in regard of ambient temperature and humidity levels: In dry conditions (e.g. in rooms with central heating etc.), in order to get best foam structure and foam properties it is recommendable to fill gaps and joints in several layers by the application of smaller foam strings (up to 3 - 4 cm thickness) and slightly moisturizing between every layer.

One time use should be expected.

"The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. f.

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