

PROPERTIES

- ▶ One-component moisture cure semi-rigid polyurethane foam
- ▶ Filling, fixing, insulating & mounting
- ▶ Gun application, easy usable
- ▶ Resistant to water, heat, rotting and several chemicals
- ▶ Not UV-resistant
- ▶ Excellent open-closed cells and food 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 applicator gun tightly onto the can.

When working with the gun keep the can mainly in upside down position. The usage in other positions is possible, if work is commenced and finished with the can in upside down position. The outflow rate of the foam can be adjusted by pressing and releasing gun trigger. Dispense the foam sparingly to avoid excess overflows.

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

It is not recommendable to remove the can before



it is totally empty. When replacing the can shake the new can vigorously.

Unscrew the empty can and replace it immediately to ensure that there is no air left in the gun.

If you do not want to replace the can, remove the foam from the gun using PU foam cleaner. Hardened foam can only be removed mechanically.

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 +30°C

Can has preferably to be stored for at least 12 hours in room temperature.

Service

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

CHARACTERISTICS

Foam density TM 1002:2014	16 - 20 kg/m ³
Tack free time TM 1014:2013	6 - 9 min
Cutting time TM 1005:2013	35 – 40 min
Curing pressure TM 1009:2013	< 8 kPa
Post expansion HENK-PU-14.2	50 - 100 %
Dimensional stability TM 1004:2013	max +/- 8 %
Maximal joint width TM 1006:2013	5 cm Testing conditions: 5°C
Shear strength Elongation at break TM 1012:2015	44 - 55 kPa ca 50%
Compression strength 10% TM 1011:2013	25 - 50 kPa
Water absorption 24h EN 1609	max 1 %
Water absorption 28 day EN 12087	max 10 %
Sound insulation EN ISO 10140	Not measured. Approximate value 60 dB might be used for calculation purposes.
Thermal conductivity DIN EN 12667:2001	Not measured. Approximate value 0,037 ... 0,040 W/m*K might be used for calculation purposes.
Yield per can TM 1003:2013	750/1000 ml: max 50L

All measurements on norm. climate (+23 ± 2 °C | RH 50 ± 5%) unless indicated otherwise.

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

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 750G. www.unibond-trade.co.uk

PACKAGING

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



750G 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 (during winter time, 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.

"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.

Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law."

Henkel AG & Co. KGaA
40191 Düsseldorf, Germany
Elch GmbH
Henkelstrasse 67 – D-40589 Düsseldorf
HPSA Ltd.
Hinckley, Leics. – LE10 1DP
Henkel Limited
Road 5, Winsford Industrial Estate, Winsford,
Cheshire, CW7 3QY

www.unibond-trade.co.uk

