Technical Data Sheet v.1, March 2026

CERESIT
TS 61

CHARACTERISTICS

- One-component, universal semi-rigid polyurethane foam with good open-closed cells balance and high mechanical strength.
- It is easily usable and applicable with attached application straw.
- The foam is self-expanding and during the curing process expands about 2 - 2 $^{1}/_{2}$ times.
- It has excellent adhesion on most building materials like wood, concrete, stone, metal, etc.
- Some metal surfaces might need pretreatment (priming) to enhance adhesion.
- Foam overflows cutting time strongly depends on the applications 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.

APPLICATIONS

- Filling of cavities
- Sealing of openings in roof constructions and insulation materials
- Creating soundproof screens
- Filling of cavities around pipes
- Insulating of wall panels, roof tiles

ATTENTION!
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 on some other plastic surfaces.

Substrate preparation

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

Application temperature

Working temperature: 5 - 30°C (41 - 86°F).
Can temperature: 5 - 30°C (41 - 86°F).
Can has preferably to be stored for at least 12 hours in room temperature before commencing with application.

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 is adjusted by pressing and releasing the trigger.
- Dispense the foam sparingly; fill the seal for about 50% as the foam will expand.
- To guarantee full extrusion of the contents and highest yield the upside-down position is always recommended.
- The cans of smaller size might be used in all positions, with the precondition that the foaming is started and ended in upside down position.
- Tallest cans must be constantly in upside down position during application.
- It is vital to repeat shaking regularly during the application, especially when foaming with the can, not in upside down position.
- Remove fresh spots of foam with PU foam cleaner or acetone.
- Hardened foam can only be removed mechanically.

TECHNICAL DATA

Foam density, kg/m^3 EN 17333-1, method 1	22 - 26
Tack free time, min EN 17333-3, method 2	7 - 10
Cutting time, min EN 17333-3, method 1	50 - 65
Curing pressure, kPa EN 17333-2, method 2	< 12
Post expansion, % HENK-PU-14.2	120 - 190
Dimensional stability, % EN 17333-2, method 1	max ± 5
Maximal joint width, cm EN 17333-3, method 3	4 Testing conditions: +5°C 3 Testing conditions: +30°C
Shear strength | Elogation at break, kPa | % EN 17333-4, method 3	45 - 65 | ca 40
Compression strength 10%, kPa EN 17333-4, method 1	30 - 60
Fire class EN 13501-1 | DIN 4102-1	F | B3
Water absorption 24h EN 1609:2013	Not measured. Approximate value max 1 %
Water absorption 28 day EN 12087:2013	Not measured. Approximate value 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, ml : L EN 17333-1, method 2	770/1000 ml: max 36 L 750/1000 ml: max 35 L 700/1000 ml: max 32 L 450/1000 ml: max 18 L 600/800 ml: max 28 L 500/650 ml: max 23 L 300/405 ml: max 13 L

Temperature resistance of cured foam: -40°C ... 90°C, short term peaks up to 120°C (-40°F ... 194°F, short term peaks up to 248°F)

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

LIMITATIONS

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 misting with water between every layer.
- One time use should be expected.

GENERAL INFORMATION

Storage and handling

Best before 18 months. For longest shelf life avoid storage above 25°C / 77°F and below 5°C / 41°F (up to -20°C / -4°F for a short period). Always store can with the valve directed upwards. Transportation of odd cans by passenger car: leave the container wrapped in a cloth in the trunk, never in the passengers' compartment. Check separate **Storage and Handling Instructions**. For **safety precautions and disposal instructions**, see the corresponding product Safety Data Sheet.

Packaging

300/405 ml, 500/650 ml, 600/800 ml, 450/1000 ml, 700/1000 ml, 750/1000 ml, 770/1000 ml

Henkel România SRL
Strada Gara Herăstrău 2C, etajul 11, Sector 2
București, România
Tel.: +40 21 203 26 00; henkel.ro@henkel.com