



## Technical Data Sheet CERESIT WHITE TEQ Thermal & Sound

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### PRODUCT TYPE

1K WHITE TEQ straw foam

### PRODUCT FEATURES

Ceresit WHITE TEQ Thermal & Sound is white polymer foam of a new generation polyurethane, based on purified & concentrated ingredients. The polymer purification (WHITE TEQ Technology) allows convenient curing parameters and gives WHITE TEQ foams its characteristic ice-white color, an extra-fine cell structure and enhanced UV resistance. The cured foam has highest thermal efficiency (up to 0,032 W/mK) and sound damping properties (63 dB). WHITE TEQ technology also offers unrivalled low curing pressure for maximum protection against frames deformation and 25 % flexibility ensures a long-term insulation efficiency – compensating the movements of the seal resulted from e.g. thermal expansion. The perfect ratio of open and closed cells and mechanical strength makes it the perfect product for demanding insulation applications. Ceresit WHITE TEQ Thermal & Sound is easily usable and applicable with attached straw applicator. The foam has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Yield of the cured foam largely depends on working conditions – temperature, air humidity, available space for expanding, etc. At minus temperatures the expansion of foam is lower and curing time longer. Product does not contain CFC-propellants.

### APPLICATION INSTRUCTIONS

#### Substrate preparation

Substrates must be stable, clean and free of substances likely to impair adhesion. To ensure full and even curing of the foam, moisturize slightly mineral, porous substrates (brickwork, concrete, limestone) with water spray before application. Mask off adjacent areas with foil. The surfaces can be moist, but not frosted or iced.

#### Application temperature

- Working temperature - from -5°C to +35°C.
- Can temperature – from +5°C to +30°C. Can has preferably to be stored for at least 12 hours in room temperature.

*WhiteTeq temperature Indicator on the front.* While the indicator has turns blue, the can is too cold for usage. Warm up the can in a warm room or in warm water. For best results keep the can at room temperature during application.

#### Application method

- Shake the can vigorously before use (15 - 20 times).
- Screw the foaming straw to the valve. The outflow rate of the foam is controlled by pressing trigger.
- Dispense the foam sparingly, filling the joint initially by half to avoid excessive overflows.
- Repeat shaking regularly during application.
- Remove fresh spots of foam with polyurethane foam cleaner or acetone. Hardened foam can only be removed mechanically.

#### Limitations

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 5 cm thickness).
- At very dry conditions, the foam may be brittle directly after the hardening. This brittleness is a temporary effect and disappears after a while or by warming up. Once the foam is flexible, it does not get brittle again even at cold temperatures.

### SHELF-LIFE | STORAGE AND HANDLING

**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). Preferably 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.

### PACKAGING

750/1000 ml

### MAIN APPLICATIONS

- Insulation of window frames
- Insulation of door frames
- Filling of cavities
- Sealing of openings in roof constructions and insulation materials
- Creating soundproof screens
- Filling of cavities around pipes
- Fixing of roof tiles and wall panels

### ATTENTION!

Despite significantly higher UV resistance, the cured PU foam is recommended to be protected from UV radiation to preserve the full insulation efficiency. Protection may be in form of painting or applying a top layer of sealant, plaster, mortar, or other type of covering.

### PROPERTIES

<b>Foam density</b> HENK-PU-10.3	25 - 27 kg/m <sup>3</sup>
<b>Tack free time</b> TM 1014:2013	6 – 8 min
<b>Cutting time</b> TM 1005:2013	50 - 70 min
<b>Curing pressure</b> TM 1009:2013	< 8 kPa
<b>Post expansion</b> HENK-PU-14.1	< 200 %
<b>Dimensional stability</b> TM 1004:2013	< +/- 5 %
<b>Maximal joint width</b> TM 1006:2013	5 cm Testing conditions: +5 °C
<b>Shear strength</b> TM 1012:2013	85 kPa
<b>Movement capability</b> TM 1013:2013	> 25%
<b>Fire class</b> EN 13501	F
<b>Water absorption 24h</b> EN 1609	max 1 %
<b>Water absorption 28 day</b> EN 12087	max 10 %
<b>Sound damping</b> EN ISO 10140	63 dB
<b>Yield per can</b> TM 1003:2013   TM 1007:2013	750/1000 ml: up to 30 L

- Temperature resistance of cured foam:**  
-40 °C...+90 °C, short term peaks up to +120 °C.
- Thermal conductivity of cured foam:** 0,032 W/mK

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

Check separate **Storage and Handling Instructions**.

For **safety precautions and disposal instructions**, see the corresponding product Material Safety Data Sheet.



Henkel uses test methods approved by FEICA designed to deliver transparent and reproducible test results, ensuring customers have an accurate representation of product performance. FEICA OCF test methods are available at: <http://www.feica.com/our-industry/pu-foam-technology-ocf>. FEICA is a multinational association representing the European adhesive and sealant industry, including one component foam manufacturers. Further information at: [www.feica.eu](http://www.feica.eu).

