



PRODUCT TYPE

1K WHITETEQ gun foam

PRODUCT FEATURES

Ceresit WHITETEQ Thermal & Sound is white polymer foam of a new generation polyurethane, based on purified & concentrated ingredients. The polymer purification (WHITETEQ Technology) allows convenient curing parameters and gives WHITETEQ foams it's 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). WHITETEQ 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. 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).
- Remove the plastic cap from the can and screw the can tightly onto the gun. When working with the gun always keep the can upside down. The outflow rate of the foam is controlled by pressing gun trigger.
- Dispense the foam sparingly to avoid excess overflows.
- Repeat shaking regularly during application.
- 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.

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.

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

Foam density HENK-PU-10.3	19 - 21 kg/m ³
Tack free time TM 1014:2013	7 – 10 min
Cutting time TM 1005:2013	35 – 45 min
Curing pressure TM 1009:2013	< 3 kPa
Post expansion HENK-PU-14.1	< 50 %
Dimensional stability TM 1004:2013	< +/- 5 %
Maximal joint width TM 1006:2013	5 cm Testing conditions: +5 °C
Shear strength TM 1012:2013	80 kPa
Movement capability TM 1013:2013	> 25 %
Fire class EN 11925-2	F
Water absorption 24h EN 1609	n.a.
Water absorption 28 day EN 12087	n.a.
Sound damping EN ISO 10140	63 dB
Yield per can TM 1003:2013 TM 1007:2013	750/1000 ml: up to 33 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.

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.

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.

