



# Technical Data Sheet



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## Expanding Foam White Teq

### CHARACTERISTICS

- White polyurethane foam based on purified ingredients.
- Special composition features convenient curing parameters and characteristic ice-white colour, fine cell structure and enhanced UV resistance.
- Cured foam has excellent thermal and sound insulation properties.
- Moderate curing pressure to avoid frames deformation and high flexibility ensure a long-term good insulation.
- Product is easily usable and applicable with attached straw applicator.
- The foam has excellent adhesion on most building materials like wood, concrete, stone, metal etc. Some metal surfaces might need pretreatment to enhance adhesion.
- Full mechanical strength is achieved in 24 hours.
- Final 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.

### APPLICATIONS

**White Teq** can be used for:

- Insulation of window frames
- Insulation of door frames
- Filling of cavities
- Sealing of openings in insulation materials
- Creating soundproof screens
- Filling of cavities around pipes





## TECHNICAL DATA

Foam density TM 1002:2014	19 – 23 kg/m <sup>3</sup>
Tack free time TM 1014:2013	6 – 8 min
Cutting time TM 1005:2013	45 - 55 min
Curing pressure TM 1009:2013	< 13 kPa
Post expansion HENK-PU-14.2	140 – 190 %
Dimensional stability TM 1004:2013	max +/- 5 % Testing conditions: standard max +/- 15 % Testing conditions: dry joint, +30°C/RH 80 %
Maximal joint width TM 1006:2013	4 cm Testing conditions: +35 °C 3 cm Testing conditions: +5 °C 3 cm Testing conditions: -5 °C
Shear strength   Elongation at break TM 1012:2015	60 – 80 kPa   ca 85 %
Compression strength 10% TM 1011:2015	25 – 45 kPa
Fire class EN 13501-1	F
Water absorption 24h EN 1609	Not measured. Approximate value max 1 % might be used for calculation purposes.
Water absorption 28 day EN 1208	Not measured. Approximate value max 10 % might be used for calculation purposes
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 31 L

## INSTRUCTIONS FOR USE

### Substrate Preparation

Substrates must be stable, clean, and free from dust, loose material, polish, grease etc. Spray water onto porous surfaces (brickwork, plaster, concrete etc.) to ensure full and even curing of the foam (do not spray non-porous substrates eg: painted woods, plastics.) If necessary, protect areas with masking tape.

### 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 before commencing with application.



## Application Method

- 1) Substrates must be table, clean, and free from dust, loose material, polish, grease, etc. Spray water onto porous surfaces (brickwork, plaster, concrete, etc.) to ensure full and even curing of the foam (do not spray non porous substrates, e.g. painted woods, plastics). If necessary, protect areas with masking tape.
- 2) Store can for at least 12 hours at room temperature before using. Apply between +5°C and +35°C.
- 3) Shake can vigorously before use (15-20 times.) Screw on the applicator nozzle onto the valve.
- 4) Turn can upside down and dispense foam gently by lightly pressing the trigger. Release trigger to stop flow. Fill gap by ½ to ¾ of size because the foam will expand. Work upwards to fill deep cavities in layers. Apply light water spray to increase curing speed. Preferably keep can upside down and shake regularly whilst applying foam.

## 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 moisturizing between every layer.
- At very dry conditions – at low temperatures, heated rooms - 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.

## GENERAL INFORMATION

### Storage

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). 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.

### Packaging

750 ml aerosol can

## HEALTH AND SAFETY

Before using the product, please see related Material Safety Data Sheet that is available to download from [mymds.henkel.com](http://mymds.henkel.com).

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