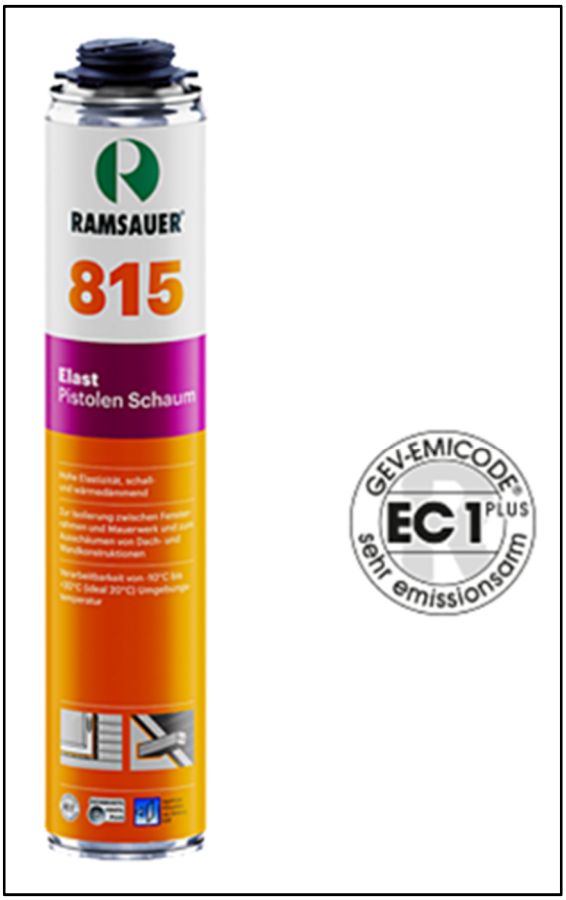
815 ELAST E

RAMSAUER®
DICHTSTOFFE

TESTS, COMPLIANCE WITH STANDARDS, and ADVANTAGES

- **Highly elastic**
- **High adhesive force**
- **Emicode EC1-PLUS R "very low emission"**
- **Long-term absorption of movement of building components**
- **Thermal conductivity: 0.035 W/(m.K)**
- **Measured joint noise insulation performance $R_{S,w}$:**
  10mm joint width: 60 dB
  20mm joint width: 59 dB
- **TÜV-tested safety valve with anti-clogging guarantee**
- **Long storage life in any position**
- **Optimum results of work at temperatures as low as -10°C**
- **Building material class E according to EN 13501-1**



TECHNICAL DATA

Adhesive basis: polyurethane
Reaction system: moisture cure
Colour of adhesive: light grey
Cell structure: fine
Bulk density (free expansion): 13 - 15 kg/m³
Tack free time (dry application): approx. 8 min.
Cuttable (30mm section, dry application): after approx. 37 min.
Full load bearing capacity (30 mm section): after approx. 24 hours
Tensile strength (according to DIN 53430, moist application): 6.5 N/cm²
Elongation at break (according to DIN 53430, moist application): 25 – 28 %
Shear strength (according to DIN 53427, moist application): 3.4 N/mm²
Compressive stress (according to DIN 53421, moist application): 1.1 N/cm²
Minimum processing temperature (substrate, environment) -10°C
Optimum processing temperature (substrate, environment) +20 °C
Maximum processing temperature (substrate, environment) +30°C
Minimum processing temperature (can): +5°C
Temperature resistance of the cured foam: -40°C to +80°C (short-term up to +100°C)
Building material class according to EN 13501-1: E (B2)
Yield, free expansion, 750ml-can: up to 42 litres (±2)
Storage life (in a cool and dry place): 15 months
The ideal storage temperature is between +10°C and +20°C. The cans must be protected from frost and heat.

CHARACTERISTICS

815 ELAST E ELAST is a special soft-cell foam which - due to its elasticity - is capable of long-term absorption of major movements of building components caused e.g. by fluctuations of temperature. The high adhesive force of this product prevents cracking or tearing of seal edges, thus ensuring long-term sound and heat insulation between components (e.g. in window connection joints). Adding moisture (wetting prior to application) will result in an even finer cell structure and further improve the insulation characteristics of the product. Thanks to the special formulation this product can be used at low temperatures **down to -10°C.** Development and manufacture of this product are subject to the strict quality assurance standards ISO 9001 / EN 29001.

815 ELAST E 815 ELAST adheres to all customary building materials with the exception of polyethylene and silicone but does not adhere to oil, grease, parting agents or any similar substances. The foam can be applied at substrate and ambient temperatures of -10°C to +30°C. The cured foam is highly elastic, predominantly closed cell, non-rotting, moisture-resistant, and temperature resistant from –40°C to +80°C. It is

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ageing resistant but not UV-resistant. Heat and sound insulation values are excellent.

APPLICATION

Thanks to its special formulation, 815 ELAST E is highly suitable for:

- the installation of windows (neat and controlled back-filling and insulating sealing);
- filling connection joints and joints of external door cases; however, it is not suitable as an exclusive installation material without additional mechanical fastening;
- filling small wall openings, any type of line or cable lead through, and any other voids.

PROCESSING

Take into account the instructions on the can and on the foam gun. Do not overfill voids since the fresh foam will expand by up to 100 % of its initial volume. Control foam quantity by controlled pressure on the trigger of the gun. Moisten the foam evenly once again after application. In case of larger joints and voids it is recommended to moisten each layer of foam once it has been applied. A lack of moisture and overfilling of voids may cause undesired subsequent expansion of the foam. Remove any fresh stains of foam immediately with universal cleaner “817 Universal Reiniger“. This can be done only in the tack-free time. Remove any residual foam from the gun immediately after work by means of “817 Universal Reiniger“, and also from any adapter tube used. If the can is not empty leave the foam gun connected to the can until using it the next time. Once a can has been opened use the product within 4 weeks. As soon as a can is completely empty remove foam gun carefully and clean its outside with “817 Universal Reiniger”. Subsequently screw a can of universal cleaner 817 onto the gun and actuate the dosing trigger several times for internal cleaning of the gun. During internal cleaning point the gun towards a suitable collecting vessel. ATTENTION: the cleaner escapes at high pressure. Cured foam can be removed only by means of foam solvent “831 Schaumlöser“ or mechanically.

PREPARATION

The substrates must be solid, clean, and free from dust and grease. Remove any loose parts and moisten the substrate well with water immediately before applying the product. Enhance adhesion by applying a suitable deep primer if required. Prepare all components properly for fastening. Keep universal cleaner “817 Universal-Reiniger“ ready for cleaning and removing any uncured foam. The ideal processing temperature is approx. + 20 °C. Carefully warm up cold cans in a lukewarm water bath. Never heat above + 50 °C since this may cause the can to burst. Cool hot cans in a cold water bath e.g. when taken out of a vehicle in the summer but do not shake hot cans. Shake the can well approx. 20 times before connecting it to the foam gun. Take into account the instructions for use of the foam gun. Put the can down, and screw the foam gun with the threaded adapter onto the threaded ring of the can. Do not tilt or overturn can in this process. In order to achieve an even finer and more even cell structure, an adapter tube can be connected to the foam gun. The adapter tube should not be longer than 5 cm.

IMPORTANT NOTE

Ramsauer 815 ELAST E cures quickly and evenly only if there is sufficient moisture. Therefore, moisten substrates well in any case.

SAFETY ADVICE

Consult the current EC Safety Data Sheet which is available at any time on our website at www.ramsauer.at.

LIABILITY FOR DEFECTS

The information provided including but not limited to the proposals for processing and using our products is based on our knowledge and experience, usually at the time of going into print. The results of work may deviate from this information depending on the specific circumstances, in particular with respect to substrates, processing and environmental conditions. Therefore, neither this information nor any oral counselling shall constitute warranty or give rise to any liability on whatever legal ground for any specific result of work, unless we acted intentionally or by gross negligence. Ramsauer warrants that its products will have the technical characteristics according to the Technical Data Sheets up to their expiry date. Product users must consult the latest data sheet which is available upon request. Our current General Terms and Conditions apply which are available for download on our website www.ramsauer.at.

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QUALITY YOU CAN RELY ON

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