



RAMSAUER®
DICHTSTOFFE

815 ELAST B3

- **Permanently elastic**
- **Does not contain any organo halogenated substances/additives**
- **Does not contain any plasticisers**

815 ELAST B3 is a single component installation foam curing with air humidity which has been developed and packaged especially for processing with foam guns. The propellant mixture is HCFC- and CFC-free and does not contain any perfluorinated hydrocarbons (HFC). The product does not contain any substances depleting the ozone layer and meets the legal requirements of EU Regulation (EC) 842/2006 on certain fluorinated greenhouse gases. Development and manufacture of this product are subject to the strict quality assurance standards of ISO 9001/EN 29001.

Range of application

Generally where noise abatement and insulation are required, e.g. in window construction for neat and controlled backfilling of connection joints of windows and roller shutter boxes. Also suitable for filling connection joints of external door cases and for filling small wall openings and other voids. The product can be generally used in building construction to seal slabs, plaster parts, etc. Thanks to its high elasticity 815 ELAST B3 ensures durable adhesion to edges and reliable abatement even in case of movement of building components. However, in view of its permanent elasticity 815 ELAST B3 is not suitable for fastening door cases.

Characteristics

815 ELAST B3 adheres to all customary building materials with the exception of polyethylene and silicone, it does not adhere to oil, grease, parting agents, etc. The foam can be applied at temperatures of +5°C to +25°C. The cured foam is elastic, predominantly closed cell, non-rotting, moisture-resistant, and temperature resistant from -40°C to +100°C. It is ageing resistant but not UV-resistant. Heat and sound insulation values are excellent. The foam gun permits simple and neat working thanks to accurate dosage of the foam quantity.

Preparation

The substrates must be solid, clean, and free from dust and grease. Remove any loose parts and moisten substrates well with water immediately before applying the product. Enhance adhesion by suitable deep primer if required. Prepare all components properly for fastening. Keep universal cleaner Ramsauer "817/827 Universal-Reiniger" ready. 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. Shaking the cans once a while enhances temperature equalisation. Shake can well approx. 20 times before screwing it onto the foam gun. Put the can down, and screw the foam gun with the threaded adapter onto the black threaded ring of the can. Do not tilt or overturn can in this process. In order to achieve a fine and uniform cell structure always attach an adapter tube to the foam gun.

Processing

Take into account the advice on the can and instructions for the foam gun. The fresh foam will expand by two times its initial volume. Therefore, do not overfill voids. Control foam quantity by controlled pressure on the trigger of the gun. Curing of the foam will be enhanced and sped up by additional moisture of substrates (moistening by means of a sprinkler). In case of larger joints or voids



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moistening is recommended after each layer of foam. Insufficient moisture and overfilling of voids may result in undesired subsequent expansion of the foam. Remove any fresh stains of foam immediately with universal cleaner "817/827 Universal Reiniger". This can be done only in the tack-free time. Cured foam can be removed only by means of foam solvent "831 Schaumlöser" or mechanically. In Germany it is forbidden to use foams of building material class B3 in building construction.

Important note

815 ELAST B3 cures quickly and evenly only if there is sufficient moisture. Therefore, moisten substrates well in any case.

Technical data

- Yield of a 750ml can (joints foamed with adapter tube) joint cross-section approx. 8cm²: up to a length of 23 metres
- Colour: grey
- Cell density: middle-fine
- Tack-free: approx. 4 - 8 min.
- Cuttable (20 mm section): approx. 8 – 12 min.
- Full load bearing capacity (20 mm section): approx. 12 hours
- Processing temperature (can and substrate): + 5 °C to + 30 °C
- Optimum processing temperature (can and substrate): + 20 °C
- Tensile strength (basically in accordance with DIN 53430): 6 – 10 N/cm²
- Elongation at break (basically in accordance with DIN 53430): ca. 32 %
- Shear strength (basically in accordance with DIN 53427): 3 - 4 N/cm²
- Compressive stress at 10 % compressive strain (DIN 53421): 1-2 N/cm²
- Water absorption (basically in accordance with DIN 53433): 1.5 vol.-%
- Thermal conductivity (DIN 52612): 0.04 W/mK
- Building material class: B3
- Noise abatement, maximum value 20 mm: ~ 60 dB
- Temperature resistance of cured foam:

Permanent: - 40 °C to + 80 °C

Short term: - 40 °C to + 100 °C

- Storage life (in a cool and dry place): 12 months

Storage life may be much shorter at higher temperatures.

Store can in an upright position.

Safety advice

Consult our current EC-safety data sheet. Our data sheets can be downloaded from our website www.ramsauer.at at any time. Follow the instructions on the label.

Liability for defects

The information provided including but not limited to the proposals for processing and using our products are 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 at any time.