

# 850 DÄMMSCHAUM

(Insulating Foam)



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## COMPLIANCE WITH STANDARDS und ADVANTAGES

- **Reduced labelling requirements**
- **Free isocyanate content < 0.1 %**
- **Can be applied with gun or adapter**
- **High yield**
- **Building material class B2 according to DIN 4102**
- **Building material class E according to EN 13501-1**
- **TÜV-tested safety valve with non-clogging guarantee**
- **Long storage life**
- **Optimum dosing and re-using without contamination**
- **Enhanced safety, low accident risk**

## TECHNICAL DATA

Cell structure: fine

Yield (free expansion): up to 28 litres (±2)

Bulk density (free expansion): approx. 8 – 10 kg/m<sup>3</sup>

Tack free (moist application): approx. 12 - 17 min.

Cutable (20mm section, moist application): after approx. 25 - 35 min.

Full load bearing capacity (20mm section): after approx. 24 hours

Optimum processing temperature (can, substrate, environment): +20 °C

Maximum processing temperature (can, substrate, environment): +25°C

Minimum processing temperature of can: +5°C

Temperature resistance of the cured foam:

Permanently: -40°C to +80°C

Short-term: -40°C +100°C

Building material class (according to DIN 4102, Part 1): B2

Building material class (according to EN 13501): E

Storage life: 18 months

The ideal storage temperature is between +10°C and +20°C. The cans must be stored in an upright position and protected from frost and heat.



## CHARACTERISTICS

850 DÄMMSCHAUM is a new one-component foam for application by means of foam gun or adapter, ideal for insulating and filling of joints and voids. The product can be used universally like any conventional installation foam, and in view of its residual content of free isocyanate of < 0.1% it is particularly user-friendly. Development and production of this compound are subject to the strict quality assurance standards ISO 9001 / EN 29001.

850 DÄMMSCHAUM 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 cured foam is semi-rigid, predominantly closed cell, non-rotting, moisture-resistant, and temperature resistant from -40°C to +80°C. It is ageing resistant but not UV-resistant. Heat and sound insulation values are excellent.

## APPLICATION

In the installation of windows for neat and controlled backfilling and insulating sealing of connection joints of windows and roller shutter boxes; for filling connection joints and joints of external door cases. However, it is not suitable

as an exclusive installation material without additional mechanical fastening. The product is also suitable for filling small wall openings and 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 200 % of its initial volume. 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/or overfilling of voids

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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. Cured foam can be removed only by means of foam solvent "831 Schaumlöser" or mechanically.

Application by means of adapter:

The foam quantity can be controlled accurately by varying the pressure on the adapter. Actuate the adapter carefully in order to control the foam quantity. After work slide the adapter tube into the receptacle and put it over the reverted edge seal. Ensure a tight fit. This permits interruptions of work for several weeks. To re-use the product draw the adapter tube out of the receptacle.

Application by means of foam gun:

Control foam quantity by controlled pressure on the trigger of the gun. Remove any residual foam from the gun immediately after work by means of universal cleaner "817 Universal Reiniger", and also from any adapter tube used. When 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.

## 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. Apply deep primer to increase the solidity of the substrate if required. Prepare all components properly for fastening. Keep universal cleaner Ramsauer "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.

Application by means of adapter:

When using an adapter unscrew the gun ring from the can by

turning counterclockwise. Screw adapter with extension tube onto the valve firmly up to the stop. Shake the can well before use (approx. 20 times).

Application by means of foam gun:

Shake can well approx. 20 times before screwing it onto the foam gun. Take into account the instructions for use of the gun. Tear the safety adapter holding strap off the gun ring. 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 the can in this process. In order to achieve an even finer and more even cell structure an adapter tube can be attached to the foam gun. The length of the tube should not exceed 5 cm.

## IMPORTANT NOTE

Ramsauer 850 DÄMMSCHAUM 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](http://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](http://www.ramsauer.at).



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## **QUALITY YOU CAN RELY ON**

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