

PUR Filler Foam

3555

PUR-Füllschaum 3555

Single-component polyurethane foam, moisture hardening, very economical

Properties

Moisture hardening, single-component polyurethane foam, corresponds to building materials category "schwerentflammbar B1" (flame-retardant) in accordance with DIN 4102 Part 1. Excellent insulation properties, resistant to rot, with excellent adhesion on all common building materials. When cured it is resistant to heat, water and many chemicals.

Field of application

For heat-insulating and low tension filling of joints in flame-retardant ETIC systems. In particular for cavities under window sills (to reduce thermal bridges) and between ETICS hard foam insulation boards as well as mineral wool lamella insulation boards with joints up to a width of 5 mm that have not been installed properly (not joint-tight). Also ideally suited for installing door and window frames and to fill cavities and joints in other building structures.

Material description

Color shade: gray

Basis: Isocyanaturethane prepolymer

Building material class: "schwerentflammbar" B1 (flame-retardant) in accordance with DIN 4102, Part 1 (Exclusively "schwerentflammbar" B1 (flame-retardant) between solid mineral or metallic building materials)

Yield (freely applied foam): up to 40 l depending on the temperature

Raw density (foamed): approx. 20–30 kg/m³

Thermal conductivity λ : 0.040 W/(m·K) according to DIN 52612

Compressive stress at 10% compression: 45 kPa

Temperature resistance: -40°C to +90°C

Packaging: 750 ml container (pressurized) 12 units/box, suitable for recycling

Use

Preparation

Shake the PUR filler foam container well before use (at minimum 20 times). Remove the protective cap and screw it onto the PUR Assembly Foam Gun 3556 according to the operating manual.

Substrate preparation

The substrate must be clean, solid, stable, load-bearing and free from efflorescence, sintered layers and separating agents. All adhesive surfaces must be slightly wet prior to applying foam. When applying foam to cavities under window sills these must be adequately stabilized and supported by wall anchors at the specified maximum distance.

Application/Foaming

Hold PUR Assembly Foam Gun 3556 so that the inserted PUR Filler Foam 3555 container is at the top and the gun at the bottom. Use the valve tip to sparingly apply foam quantities to the joint or openings in one go. Start applying foam to cavities from the lowest point. In the event of prolonged work breaks it is paramount to close the gun's metering screw.

Apply a fresh foam strand to open butt joints and horizontal joints between ETICS insulation board up to a maximum of max. 5 mm. Wider joints must be filled with strips of the corresponding insulation material.

When cured the foam must fully fill the joints. With larger cavities and to apply thicker layers, e.g. when applying foam under window sills, it is necessary to install several layers and apply water in between individual layers.

Work breaks, also prolonged breaks, are possible at any time as long as the pressurized container remains permanently connected to the foam gun. Clean the foam gun if an empty container is not immediately replaced.

The PUR filling foam container must be properly emptied prior to replacing it. Fill potential residual quantities in suitable containers, such as refuse bags until filling foam no longer escapes the PUR foam gun. Only process any foam escaping from joints or cavities after it has fully cured. For this purpose, cut the protruding PUR filler foam, e.g. using a sharp knife and if necessary, sand it down so it is flush with the surface. It is important to remove loose foam parts and sanding residue prior to applying any agents over the area. Empty PUR filler foam containers are accepted and recycled free of charge as part of the PDR recycling system in the original box featuring 12 empty containers as one return unit. Please note the instructions on the box.

Consumption

Temperature, humidity and size of the cavity (counter-pressure) to which foam is applied determine the materials' covering rate.

Application temperature

Do not apply under +5°C and up to a max. of +35°C air and object temperatures; also during curing time. Ideal container and application temperature between +18°C and +21°C.

Tool cleaning

Do not forcefully remove the container from the gun adapter. Immediately after use thoroughly flush and clean the PUR Assembly Foam Gun 3556 using PUR Foam Gun Cleaner 3556.0500. Repeat the process after approximately 15 minutes. Use a cloth to remove excess cleaning agent and spray the threaded adapter using Vaseline to prevent gluing between the gun and PUR filler foam container. Depressurised foam remaining in the gun will cure and render the gun unusable.

Drying (+23 °C, 50 % relative humidity)

Tack-free after around 10 minutes. Suitable for cutting after around 45 minutes. Recoatable after having cured. Usually after around 24 hours, depending on temperature and humidity.

Storage

Protect from sunlight and temperatures over +50°C, store horizontally in a dry place that is as cool as possible. Can be stored for 9 months, see bottom of can.

Declaration

Note

Note current danger notices and safety advice on the container and the EC safety data sheet.

Product code

PU 80.

Comply with the specifications in the current Safety Data Sheet.

Notes

Use as specified and do not expose to the elements

Not suitable for producing elastic connection and sealing joints. Not resistant to UV radiation and for this reason, do not expose to the elements without further processing it.

Removing foam

It is exclusively possible to remove cured foam mechanically.

Transport in secure state only

Do not keep containers on the inside of vehicles. Exclusively transport in trunk when secured.

Further information

Follow the instructions in the data sheets of the products used.

Remark

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

Brillux
Weseler Straße 401
48163 Münster
GERMANY
Phone +49 251 7188-0
Fax +49 251 7188-105
info@brillux.de
www.brillux.com