

KLEIBERIT 588.4

2C-PUR Foam

Fast curing, two-component foam from aerosol can with new, practical rotary disk activation for the assembly of wood and steel door frames.

Fields of application

- Mounting of wood and metal door frames
- Filling of assembly joints of windows and roller blind boxes
- Filling of small wall openings and other cavities

Bond: the fresh foam bonds to many building materials, not to polyethylene, PTFE, silicone, grease, oils, release agents or similar.

Advantages

- Very low emissions (EC1 plus) according to GEV Emission classification (GEV license no.: 9701 / 01.01.11 from 29 October 2018)
- Maximum joint sound absorption of 58 dB DIN 52210-3
- Thermal conductivity with value, according to DIN 52612, = 0.029 W/(m·K) at 20°C
- Form-stable; no post-expansion after hardening
- The foam can already be cut after 15-20 minutes at 20°C
- Braces can be removed after 45 minutes
- Fully hardened after 45 minutes at 20°C
- Very easy and uncomplicated use
- Sufficient for 2-3 door frames
- Excellent foam quality
- Building material class B2/ DIN 4102, Part 1
- Fast and uniform curing without the addition of water or moisture
- For foaming steel frames according to DIN 18111-4



Properties

Base:	polyurethane
Filling quantity:	400 ml
Processing temperature:	+10°C to +25°C
Processing time:	5 - 10 minutes at 20°C

Curing: 20 mm bead can be fully loaded after 45 minutes at 20°C

Yield: 10 - 12 litres, free foamed, enough for 2-3 door frames depending on the size of the gap (max 25 mm) and depth

Density 30-35 kg/m³ (free foamed)
Cell structure: semi-rigid, mainly closed cells

Temperature resistance of the hardened foam: -40° C to +90° C

Resistance: dry rot resistant, good resistance to water, heat, cold, as well as to ageing - not UV resistant (yellowing)

Warning:

Before processing read the safety precautions on the bottle and comply with them! KLEIBERIT Door Foam 588.4 contains flammable ingredients. Use only in well ventilated rooms, keep away from sources of sparks, (e. g. open fire, electrical devices, electrostatic charges), and do not smoke when working, in particular when using up several bottles in the same location. Explosive concentrations can develop when multiple bottles are used in a confined area. The aerosol bottle is under pressure, protect from heat of more than 50°C, (i. e. solar radiation).

Identification:

identification required according to EU regulation, contains 4.4'diphenyl methane diisocyanate. When applying the foam, wear safety gloves and protective glasses. (see our safety data sheet)

Application techniques

Door case and brickwork have to be solid, clean and free from oil, grease, release agents, etc. Prime gypsum and aerated concrete with KLEIBERIT Primer 835 first.

Surfaces which are too wet can cause shrinkage of the curing foam.

Install 2-3 door cases, adjust and brace in the lock and hinge areas.

Can and room temperature:

Do not process under +10°C and over +25°C.

Ideal temperature approx. +20°C.

Maximum joint width: 25 mm.

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- Turn the rotary disk six times in the direction of the arrow to activate the activator.
- Shake the can well (approx. 30 times), check for a rattling sound inside the can. If the sound is not present, then turn rotary disk several times to the right again.
- Remove the white protection cap
- Screw the adaptor with tube on to the valve. Caution! The valve must not be damaged.
- Let the shaken mixture react for approx. 30-40 seconds for an optimal foam structure.
- Begin processing right away. Hold the can with the adapter and hose upside down.
- Empty the can within **8 minutes**.

The release of the foam is regulated by tilting the adapter when the valve is facing downwards. Gently press the adapter. Ensure uniform green color of discharged foam, otherwise turn the rotary disk once more to the right and repeat the shaking process.

During processing, there is a noticeable yet normal heating up of the can due to the chemical reaction. After the processing time of 8 minutes, no more foam can be discharged from the can.

The foam yield and processing time is sufficient for 2-3 door cases.

The foam can be cut after 15 minutes and can be fully loaded after approx. 45 minutes.

Important Advice:

Door Foam 588.4 only cures evenly and quickly if the 2C system was correctly activated. Therefore, control correct activation:

- While shaking through the sound of the discarded lid
- During foaming by controlling the uniform green color of the discharged foam.

For safety reasons, the use of braces is necessary until the foam is completely cured. Ensure that the door case has sufficient inherent stability.

Disposal of containers and contents
Foam can disposal: via the PDR system

Waste disposal key 160505
080410 – Adhesive fully cured

Disposal of contents and/or containers should comply with all applicable federal, state and local regulations.
 Our containers are made of recyclable material.

Attention!

After mixing, 2C PUR systems develop reaction heat. Therefore, do not use if the can is warmer than +25°C through storage, etc. Cool cans in cold water beforehand.

The container may not become warmer than 50°C in any case, empty immediately if necessary. Risk of bursting!

Cleaning

Remove fresh foam spots immediately with KLEIBERIT 820.0 or KLEIBERIT 823.0.

Hardened foam can only be removed mechanically.

Disposal

Empty or out of date cans can be disposed free of cost with the P.D.R. disposal system (see address on carton).

Packaging

KLEIBERIT 588.4:

carton with 12 cans of 400 ml each,
 adapters are enclosed pallet: 39 cartons

Thinner

KLEIBERIT 820.0:

carton with 12 bottles of 756 g each

PUR- Cleaner

KLEIBERIT 823.0:

carton with 12 bottles of 500 ml each

Primer

KLEIBERIT 835.1:

carton with 4 bottles of 475 ml each

Additional packaging sizes available upon request.

Storage

KLEIBERIT 588.4 can be stored at 20°C for approx. 18 months.

Higher temperatures reduce shelf life.

Store upright in a cool and dry place.

Version 15/12/2020 xi; replaces previous versions

Service

Our application department may be consulted at any time without obligation. The statements made herein are based on our experience gained to date. They are to be considered as information without obligation. Please test and establish for yourself the suitability of our products for your particular purposes. No liability exceeding the value of our product can be derived from the foregoing statements. This also applies to the technical consultancy service which is rendered free of charge and without obligation.