

Gun Foam 544.5

One-component, sound absorbing PUR foam for filling, insulating and assembly by means of an assembly gun.

Fields of application

- Assembly of windows and roller blind boxes
- Caulking of roofing tiles and walls
- Insulation of pipe conduits
- Filling of wall cavities and other hollow spaces

Adhesive strength:

The fresh foam adheres to all building materials, except polyethylene, Teflon®, silicone, grease, release agents and similar.

Advantages

- Free of CFCs, formaldehyde free
- Maximum noise insulation of 59 dB for window assembly (see test report number 16726456 from the German Institute for Window Technology)
- Thermal conductivity with value, according to DIN 52612, = 0.040 W/(m/k) (see test report number F.2-147a703 from FIW)
- Corresponds to building material class B 2 / DIN 4102, part 1
- Ease of use
- Can be dosed exactly by means of a PU assembly gun
- Economical in use
- No setting when working process is interrupted
- No running and dripping (no waste of foam)
- Hardened foam does not contain volatile materials

Properties

Base:	polyurethane
Setting:	humidity setting
Colour:	beige
Content:	544.5 = 750 ml
Yield:	544.5 = 40 litres (when sufficient moisture available) free-foamed
Tack-free surface:	after approx. 5-10 minutes
Cuttability:	after approx. 20-25 minutes (for a bead thickness of 3 cm)

Stressability: after approx. 5 hours
(for a bead thickness of 2 cm)
when sufficient moisture supply provided

Cell structure: semi-hard, mainly closed cells

Temperature resistance: -40° C to 90° C
(when foam has hardened)

Resistance: good resistance to ageing and chemicals, not UV resistant

Identification: identification required according to the German hazardous substances regulations GefStoffV, contains 4.4' diphenylmethane diisocyanate. When processing the foam wear safety gloves and protective glasses (see our safety data sheet).

Warning:

Before processing read warning instructions on the bottle and strictly comply with them. KLEIBERIT Gun Foam 544.5 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 several bottles in the same place. Explosive and unhealthy conditions can develop when several bottles are dispensed in a confined area. The aerosol bottle is pressurised, protect from heat of more than 50° C.

Application techniques

The substrates must be solid, clean and free from dust, grease and release agents. Prime gypsum and aerated concrete with KLEIBERIT Primer 835. The ideal processing temperature is at approx. 20° C. Always moisten the substrate well before foaming. At processing temperatures of less than +10° C the setting process is slowed and the amount of expansion is reduced. The foam is processed with a PUR assembly gun.

Gun Foam 544.5

KLEIBERIT Gun Foam can be applied in several layers. Apply the layers at intervals of 10-15 minutes. Spray a fine mist of water on each single layer. Before mounting the gun, shake the bottle vigorously. Then screw the bottle onto the gun to the limit, using the black bottle adapter. Do not tilt the bottle or strip the thread. Press the trigger immediately so that the body of the gun is filled with foam. Adjust the required bead thickness by means of the dosing screw. The foam is ejected by pressing the trigger. Apply the foam sparingly; fresh foam expands up to 2-3times the applied volume. In the case of short interruptions during processing, keep the bottle screwed to the gun. Fresh foam residues on the nozzle can be removed by means of PUR cleaner.

For everyday use, always keep the bottle screwed to the gun. To secure the trigger tighten the dosing screw to its limit. In the case of long work interruptions clean/ rinse the gun with PUR cleaner. Immediately replace an empty bottle with a new one.

Important advice:

Do not remove bottles stuck to the mounting connector by force: "Danger of Explosion!"
 Do not clean the gun with water. In the case of long work pauses clean/ rinse with the polyurethane cleaner. Do not disassemble the gun. Do not remove foam residue from the pistol by scraping off with sharp tools.

Cleaning

Fresh foam can be removed with KLEIBERIT Cleaner 820.0 toluene-free or KLEIBERIT PUR Cleaner 823, hardened foam can only be removed mechanically.

Packaging

KLEIBERIT Gun Foam 544.5:

carton with 12 aerosol cans, 823 g each
 pallet = 36 cartons

KLEIBERIT Cleaner 820.0 toluene-free:

carton with 12 bottles of 756 g each

KLEIBERIT PUR Cleaner 823:

tin bottle of 500 ml

KLEIBERIT Primer 835 (535):

Carton with 4 bottles of 475 ml each

KLEIBERIT PUR Assembly Gun

Additional packaging sizes available upon request.

Storage

KLEIBERIT Gun Foam 544.5 can be stored at 20°C for approx. 1 year. Store in a cool and dry place. Storage time is reduced when stored at temperatures above 20°C. Do not store in closed vehicles for an extended period of time.

EX0910; replaces earlier data sheets

Waste Disposal

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

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.