



## Product

Seal-it® 470 PU-FOAM GUN is a high-quality, fast-curing 1k insulation and installation foam, specially developed for sealing and filling joints, adjustment and installation spaces, seams and connections between various building components, and that moisture-cures into a durable foam mass.

## Applications

- ✓ Specially developed for durable sealing and filling of connecting joints, seams, cracks and holes in interior and exterior façades, cavity walls, partitions and ceiling, floor and roof components.
- ✓ Fill and seal pipe and line penetrations in façades, floors, ceilings, roofs and interior and exterior walls.
- ✓ Seal and fill adjustment and installation spaces around prefab and façade components, such as sections and window and door frames.
- ✓ Seal and fill connections between metal, plastic, wood, masonry, gypsum, stone and concrete components.
- ✓ Seal connections in timber frame and stucco structures.
- ✓ Adhere and seal insulation panels/boards and other panel materials together in the construction of roofs, façades, floors and interior and exterior walls.
- ✓ Seal connections of ridges, overhangs, chimneys, air exhaust ducts, dormers, building extensions and more.
- ✓ Fill, seal and insulate hollow spaces/holes in floors, ceilings, roofs and interior and exterior walls.

**Colour:** crème

**Packaging:** 12 canisters (750 ml)

## Properties

- Adheres excellently to many materials, such as stone, concrete, wood, gypsum, stucco, masonry, metal and various plastics, such as Styropor, hard PU foam, polyester and hard PVC.
- Low-expansion quality, less filling capacity, less/light foaming during curing process.
- High output, approx. 45 litres at free expansion.
- Versatile: fills, seals, adheres, installs and insulates.
- Very low emission: certified VOC emission class A+.
- Excellent acoustic and insulating properties.
- Fast-curing, fine-celled, easy to work with and cuttable polyurethane foam.
- Lasting resistance to weather, water, moisture and ageing; does not rot.
- Excellent resistance to hot and cold conditions, water and many chemicals.

## Technical product data

| Property  | Value + unit                       |
|---|------------------------------------|
| Base  | polyurethane                       |
| Components  | 1K                                 |
| Propellent gas  | (H) CFK free                       |
| Density in the joint (WGM106)                             | 12-16 kg/m <sup>3</sup> (3 x 5 cm) |
| Skin formation (FEICA TM 1014)                            | 6-10 min, +23°C, 50% RV            |
| Cutable (FEICA TM 1005)                                   | <30 min, +23°C, 50% RV             |
| Fully loadable  | <8 h (voeg 3 x 5 cm)               |
| Yield per canister (FEICA TM 1003)                        | 55 liter                           |
| Tensile strength / breaking point dry (FEICA TM 1018)     | >85 / 16 kPa / %                   |
| Tensile strength / breaking point (Moist) (FEICA TM 1018) | >95 / 13 kPa / %                   |
| Shear strength (FEICA TM 1012)                            | >35 kPa                            |
| Acoustic insulation (EN ISO 10140)                        | 60 dB - RST,W                      |
| Compressive strength (FEICA TM 1011)                      | >25 kPa                            |
| Heat conductivity coefficient (FEICA TM 1020)             | 0,033 W/(m·K) (EN12667)            |
| Fire class (DIN 4102-1)                                   | B3                                 |
| Temperature resistance                                    | -50°C tot +90°C (Cured)            |
| Shelf life  | 15 maanden                         |
| Curing strength (FEICA TM 1009)                           | <2 kPa (moist surfaces)            |
| Expansion (FEICA TM 1010)                                 | <80 %                              |
| Deformation (FEICA TM 1004)                               | <2 %                               |
| Water vapour permeability (EN 12086)                      | <0,06 mg/(m·h·Pa)                  |
| Foam yield (WGM107)                                       | 20 m (in joint 3x5 cm)             |

# 470 PU-FOAM GUN

## Application conditions

- Application temperature (ambient and surface) between +5°C and +40°C.
- On compatible, stable, clean, uncontaminated and grease-free surfaces.
- Use a suitable brush to remove any loose particles from the surface.
- Degrease the surface properly using Seal-it® 510 CLEANER.
- Give the canister approx. 20 good shakes before use.
- Use a plant sprayer to lightly moisten the surface in advance.
- After full curing, any excess Seal-it® 470 PU-FOAM GUN applied can be cut off with a knife and/or trowel.
- Grease the gun adapter before use with Vaseline and/or PTFE spray, to prevent sticking.
- After securing the canister in the gun, the spray speed and output volume are adjustable using the setscrew on the back of the gun, for optimal economic use.
- When not using the system, tighten the setscrew on the back of the gun until it is closed so the gun can no longer be activated. Always leave the canister in the gun until it is completely empty.
- Remove the empty canister by holding in the trigger while unscrewing it in order to expel any remaining gas. Next, reload the gun with a full canister, or clean the gun thoroughly using Seal-it® 450 PUR CLEANER.
- If the gun is not working properly, put Seal-it® 450 PUR CLEANER on the gun, spray through several times, let set well for approx. 15 min., spray through again and then remove the Seal-it® 450 PUR CLEANER canister.

## Shelf life

In unopened original packaging, stored in a cool dry place with canister upright, between +5°C and +30°C, the product will last up to 15 months after the production date.

## Temperature resistance

- -40°C to +90°C continuous
- -40°C to +130°C intermittent

## Limitations & recommendations

Not suitable for underwater applications and filling of large enclosed spaces/holes lacking adequate humidity. Instead, use 2K PU FOAM for this. Apply joints wider and/or deeper than 4 cm in multiple coats. Wait approx. 15-30 minutes between application of each new coat and lightly pre-moisten the surface each time, depending on the humidity at that time. Not suitable for PE, PP, PC, PMMA, PTFE, silicone, soft plastic, neoprene or bituminous surfaces. Not UV-resistant. Use a suitable cover film to protect surrounding surfaces from spilled foam. We recommend testing adhesion and material compatibility in advance.

## Cleaning

Use Seal-it® 450 PUR CLEANER to remove fresh/uncured spilled Seal-it® 470 PU-FOAM GUN immediately from surfaces and tools. Clean hands/skin with Seal-it® 515 ULTRA-WIPES. Once cured, Seal-it® 470 PU-FOAM GUN must be removed mechanically.

## Health & safety

Avoid long-term contact with skin. If uncured material gets in your eyes, rinse out thoroughly with plenty of water and consult a physician. Wear safety goggles, gloves and suitable work attire. Only process in well ventilated spaces. Do not smoke or use the product in the vicinity of an open flame. Store Seal-it® 470 PU-FOAM GUN in a safe place outside of the reach of children. The product safety data sheet is available on request.

## Certifications

DIN 4102-1: B3

VOC-emission class A+

## Pistol

Professional gun for spraying PU foam in various packaging units easily and quickly.



## General information

The information contained in this document is provided in good faith and is believed to be correct. However, we have no influence on the conditions in which these products are used or the methods by which they are used. Therefore, this information is not a substitute for tests which the customer must perform himself/herself in order to ensure that the products are safe, effective and achieve the intended purposes. Suggestions regarding the use of the product must not be used as grounds for infringement of any patent whatsoever. The only guarantee Castelein Sealants offers is that this product complies with the Castelein Sealants terms and conditions of sale in force at the time of shipment. Your only remedy in the event of a breach of this guarantee is the refund of the purchase price or the replacement of the product that does not comply with the guarantee.

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The producer reserves the right to make changes. 2020 05 19