SEAL-IT® 470 PU-FOAM GUN

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.

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. 55 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.

Standard product line

Colour	12 x 750ml canister
Crème	SI-470-0000-750

Other packaging on request.

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Version 20200512

Technical product data

Material type		Polyurethane
Components		1K
Density in the joint	WGM106	12-16 kg/m³ (3x5cm)
Skin formation	FEICA TM 1014	6-10 min,+23°C, 50% RH
Cuttable	FEICA TM 1005	<30 min, +23°C, 50% RH
Fully loadable		<8 h (joint 3 x 5 cm)
Yield per canister	FEICA TM 1003	55 litres
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 TM1020	0.033 W/(m·K) (EN12667)
Fire class	DIN 4102-1	B3
Temperature resistance		-50°C to +90°C (Cured)
Shelf life		15 months
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)
Propellent gas		(H)CFC-free

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 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.

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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.

Warranty & liability

Connect Products BV guarantees that its product will meet the specifications during its shelf life. Liability shall never exceed that stipulated in our terms and conditions of sale and supply. Under no circumstances shall the seller be held liable for any consequential damages. The information provided is the result of our testing and experience and is general in nature. However, it does not entail any liability. Users are responsible for performing their own tests to determine whether the product is suitable for the application.

Certifications

DIN 4102-1: B3
VOC emission class A+

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