

## Product

Seal-it® 475 PU-FOAM HAND is a durable, fast-curing 1k insulation and installation foam, specially developed for sealing and filling joints, connections, seams, holes and adjustment and installation spaces between various building components, and that moisture-cures into a durable foam mass.

## Applications

- Specially designed for sealing, insulation and filling of connecting joints, seams, cracks and holes in interior and exterior façades, cavity walls, partitions and ceiling, roof and floor components.
- Seal, insulate and fill pipe and line penetrations through ceilings, roofs, floors and interior and exterior walls.
- Seal, insulate and fill adjustment and installation spaces around prefab components, sections and door and window frames.
- Adhere, install, insulate, fill and seal different insulation panels/boards and panel materials together in the construction of roofs, façades, floors and interior and exterior walls.
- Seal, insulate and fill connections in ridges, dormers, chimneys, air exhaust ducts and bay windows.
- Fill, seal and insulate hollow spaces/holes in roofs, floors, façades, ceilings 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.
- High filling capacity, foams during the curing process.
- High ultimate output, approx. 40 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, easy to work with and cuttable fine-celled 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-475-0000-750

Other packaging on request.

## Technical product data

<b>Base</b>	POLYURETHANE		
<b>Propellent gas</b>	(H)CFC-free		
<b>Type</b>	Flexible		
<b>Density</b>	kg/m <sup>3</sup>	25-30	
<b>Output</b>	Litres	Free expansion	40
<b>Adhesive-free</b>	Min.	+23°C, 50% RH	10
<b>Cutttable</b>	Min.	+23°C, 50% RH	60
<b>Fully loadable</b>	Hours	+23°C, 50% RH	24
<b>Thermal conductivity</b>	W/m <sup>2</sup> K	DIN 52612	38-32
<b>Compressive strength</b>	kPa	ISO 844	58
<b>Tensile strength</b>	kPa	53455	120
<b>Stretch at breaking point</b>	%	53455	13
<b>Shear strength</b>	kPa	53422	93
<b>Water absorption</b>	Vol. %	53428	0.3
<b>Noise reduction</b>	dB	Residual value	58



## Shelf life

In unopened original packaging, stored in a cool dry place with canister upright, between +5°C and +25°C, the product will last up to 15 months after the production date.

## Application conditions

- Application temperature (ambient and surface) between +5°C and +40°C.
- On stable, compatible, 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.
- If necessary, use a plant sprayer to lightly moisten the surface in advance.
- Cut off fully cured excess Seal-it® 475 PU-FOAM HAND with a knife and/or trowel.

## Temperature resistance

- -50°C to +90°C continuous
- -65°C to +130°C intermittent

## Cleaning

Use Seal-it® 450 PUR CLEANER to remove fresh/uncured spilled Seal-it® 475 PU-FOAM HAND immediately from surfaces and tools. Clean hands/skin with Seal-it® 515 ULTRA-WIPES. Once cured, Seal-it® 475 PU-FOAM HAND must be removed mechanically.

### 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 cover film to protect surrounding surfaces from spilled foam. We recommend testing adhesion and material compatibility in advance.

### 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® 475 PU-FOAM HAND 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+

