

Product

Seal-it® 478 PU-STONEFIX is a high-quality, durable, waterproof and ready-mixed polyurethane adhesive that is particularly suitable for adhesion of various stone types, including gypsum, concrete, cellular concrete and sand-lime bricks, for non-load-bearing walls, that moisture-cures into a strong adhesive bond.

Applications

- Particularly suited for adhesion and installation of non-load-bearing floor, façade and interior and exterior wall structures.
- As a mortar substitute for adhesion and installation of stony building components/materials, such as plant and flower boxes, blocks, stones, stone strips, tiles, edges, decorations, mouldings, seating blocks, thresholds, window sills, window banks, sections and roof tiles.
- As stone adhesive for adhesion and installation of numerous stone types, such as natural stone, masonry, cobblestones, sand-lime bricks, cellular or non-cellular concrete parts and ceramics.

Properties

- Ready-to-use, fast-curing PU adhesive.
- High tensile, shear and ultimate strength, fast-strengthening.
- Versatile, both indoors and out: adheres, installs, fills and seals.
- Strong adhesion on many surfaces, even moist ones.
- Very low emission: certified VOC emission class A+.
- User-friendly, fast, dust-free, zero-energy application that requires no cleaning, with the Seal-it® PU gun.
- No mortar, cement, nails or screws needed.
- Lightly filling/foaming adhesive and mounting system.
- Efficient, very low/economic adhesive use.
- Excellent resistance to hot and cold conditions, water and many chemicals.
- Lasting resistance to weather, moisture, water and ageing; does not rot.



Standard product line

Colour	12 x 750ml canister
Beige/Natural	SI-478-0000-750

Other packaging on request.

Technical product data

Base	POLYURETHANE		
Propellant gas	(H)CFC-free		
Application temperature	°C	+10 to +35	
Curing time	Min.	+23°C, 50% RH	8-10
Adhesive-free	Min.	+23°C, 50% RH	8-10
Temp. resistance	°C	-20 to +85	
Tensile strength	N/mm ²	DIN 53857	>7



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 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.
- If necessary, use a plant sprayer to lightly moisten the surface in advance.
- Cut off fully cured excess Seal-it® 478 PU-STONEFIX with a knife and/or trowel.
- Before use, grease the threading of the gun adapter with Vaseline, PTFE and/or silicone spray, to prevent the canister sticking to the PU gun.
- After securing the canister on the gun, the spray speed and output volume are adjustable using the setscrew on the back of the gun for efficient/economic use.
- When not in use, tighten the setscrew on the back of the PU gun until it is closed so the PU gun can no longer be activated.
- Always leave the canister in the PU gun until it is completely empty.
- Remove the empty canister by holding in the trigger while unscrewing it in order to expel any remaining propellant gas.
- Next, reload the PU gun with a full canister and/or clean the PU gun thoroughly using Seal-it® 450 PUR CLEANER.
- If the PU gun is not working properly, put Seal-it® 450 PUR CLEANER on the PU gun. Spray through several times and let set well for approx. 15 min. Spray through again and then remove the Seal-it® 450 PUR CLEANER canister.

Cleaning

Use Seal-it® 450 PUR CLEANER to remove fresh/uncured spilled Seal-it® 478 PU-STONEFIX immediately from surfaces and tools. Clean hands/skin with Seal-it® 515 ULTRA-WIPES. Once cured, Seal-it® 478 PU-STONEFIX must be removed mechanically.

Limitations & recommendations

Not suitable for underwater applications, joint sealing or filling of large enclosed spaces/holes lacking adequate humidity. 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 adhesive residues. Cover at least 80% of the material surface with Seal-it® 478 PU-STONEFIX. 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® 478 PU-STONEFIX 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

VOC emission class A+

