



Pascoflex Hybrid 25

UV Stable Expansion Joint Hybrid Sealant

Features

- ▶ **UV Stable, tested up to 5,000 hours**
- ▶ **50% Total Movement**
- ▶ **Permanently Elastic**
- ▶ **Superior Adhesion**
- ▶ **Exterior/Interior**
- ▶ **Long Term Durability**
- ▶ **Free from Solvent, Isocyanate and Silicone**
- ▶ **Easy to Apply**
- ▶ **Available in Colours**

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Product Description

Pascoflex Hybrid 25 is a UV Stable, one-component, moisture-curing hybrid sealant for construction and finishing applications. Combining the durability and weather resistance of silicone with the paintability and strong adhesion of polyurethane. Once cured, it withstands movement and vibration while remaining flexible. The product is solvent, isocyanate and silicone-free with low VOC, making it suitable for both interior and exterior use.

Features/Benefits

- Accommodates 50% total joint movement
- Superior adhesion on most substrates without primer
- Can be painted immediately with Pasco water-based membranes
- Resists UV and weathering for lasting performance
- Non-sag, suitable for vertical and overhead use
- Low odour, solvent, and isocyanate-free
- Stays flexible after curing
- Passed 5,000 hrs accelerated weathering test (ASTM C793)

Uses

- Construction and expansion joints in concrete, render, mortar, brickwork, block work, fibre-cement sheet, etc.
- Connection joints in concrete, masonry and metal facades
- Perimeter seals around door and window frames
- Roofing joints, flashings, gutters, and skylight installations
- Interior sealing of wall and floor movement junctions
- Areas requiring paintable and UV-stable flexible seals

Preparation

All substrates must be properly prepared prior to sealant application to ensure optimal adhesion and long-term performance.

- **General Requirements**
 - Substrates must be clean, dry, sound, and free from dust, oil, grease, wax, rust, curing agents, laitance, loose particles, and any other contaminants.
 - All existing sealants must be completely removed when performing remedial work.
 - Surface compatibility and adhesion testing is recommended on all project-specific substrates.



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- **Porous Substrates:** Examples: Concrete, brick, render, mortar
 - Substrates must be fully cured, dry, and free from surface contaminants.
 - Surfaces may require mechanical preparation such as wire brushing or grinding to remove friable material or laitance.
- **Non-Porous Substrates:** Examples: Glass, anodised aluminium, coated metals, tiles
 - Use a two-wipe cleaning method with a clean, lint-free cloth and a suitable cleaning agent e.g., isopropyl alcohol (IPA) or 100% white spirits.
 - Ensure cloths are clean and replaced frequently to avoid recontamination. For easier application, cleaned with **Pasco Wipe 'N' Caulk Wipes**.
 - For plastics, consult the material manufacturer for appropriate cleaning agents.

Joint Design

- Install appropriate backing material (e.g., closed-cell polyethylene backing rod, minimum 25% larger than joint width) to control joint depth and to avoid three-sided adhesion. To ensure uniform depth, use an **Albion Backing Rod Insertor**. Correct joint design is necessary to ensure sealants do not split or tear.
- Extra care must be taken to not puncture the closed cell backing rod during installation. This will prevent and minimise the risk of blisters/bubbles forming in the sealant.
- Insert setting blocks, spacer shims, or bond breaker tapes where required.
- Use masking tape along joint edges to protect adjacent surfaces and ensure neat lines. Remove tape immediately after tooling and before the sealant skins.

The size of the closed cell backing rod used shall allow for 25% compression when inserted into the joint.

Joint Width	Joint Depth
6mm to 10mm	Equal to joint width
10mm to 20mm	10mm
20mm to 25mm	10-12mm

Coverage

Meters per 600ml sausage (approx.)

Joint Depth	Joint Width (mm)							
		6	8	10	12	15	20	25
	6mm	16.7	12.5	10	8.4	6.7	5	4
	8mm	-	9.4	7.6	6.2	5	3.8	3
	10mm	-	-	6	5	4	3	2.4
	12mm	-	-	-	4.2	3.3	2.5	2

Precautions

- Do not apply in temperatures below 5°C.
- Not to be used for joints subjected to temporary or permanent immersion in water.
- Not recommended for use on PE, PP, PC, PMMA, PTFE, Soft plastics, neoprene and bitumen-based/ products. If unsure, conduct a preliminary test on the substrate.

Packaging

Pascoflex Hybrid 25 is available in 600ml sausages



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Application

Pascoflex Hybrid 25 sealant shall be installed using conventional caulking tools, materials and methods.

Priming

- Priming may be required for some substrates, particularly in demanding conditions such as high-moisture areas or joints exposed to high movement or weather extremes.
- Use applicable primer for porous or non-porous substrates, which is **Aquaprime PVC Primer**. Consult the Pasco Technical Department for more information.
- Always refer to the latest Technical Data Sheets for primers and detailed application guidelines, including flash-off times.
- Note: Primers are adhesion promoters only. They do not substitute for proper surface cleaning or preparation and do not significantly improve the integrity of weak or contaminated surfaces.

Sealant Application

- Cut the cartridge tip or sausage nozzle using **Pasco Cartridge Cutter** at a 45° angle to match the desired joint width. Insert the cartridge or sausage foil pack into a manual, pneumatic, or battery-operated caulking gun. (**Use Albion B12S20, Albion B18S20, Albion Cordless Sausage Gun E12S20**)
- Hold the gun at a consistent 45° angle and apply the sealant in a continuous motion, pushing the sealant ahead of the nozzle to ensure full contact with both joint sides and eliminate air entrapment.
- Apply sealant in a continuous operation under positive pressure to completely fill the joint.

Tooling & Finishing

- Tool the sealant within 30 minutes (depending on temperature and humidity) before skinning occurs. Use a round spatula or similar tool to press and shape the sealant firmly against joint surfaces. (**Use Pasco Caulking Knife or Scraper**)

- Tooling improves adhesion, ensures good wetting, and provides a smooth finish.
- A soapy solution or a proprietary finishing solution may be used during tooling. Avoid letting the solution contact the bond line to prevent adhesion issues.
- Remove excess sealant immediately using a clean cloth or **Pasco Aquawipes**.
- Do not allow wet or cured sealant to sit on protective films or sensitive surfaces.

Cleaning

- Uncured sealant can be removed with **Pasco Aquawipes**
- Cured sealant must be removed mechanically with a sharp blade.

Colour

- **Pascoflex Hybrid 25** is available in Anthracite, Chestnut, Coal Black, Grey Stone, Mortar, Precast White, Sand Beige, Steel Blue and Timber Red.

Shelf Life

- 12 months minimum, when stored in cool dry conditions below 25°C.

Health and Safety

Keep out of reach of children. Wear suitable protective clothing, gloves and eye/face protection. Uncured sealant may cause skin, eye and respiratory system irritation. Use only in well ventilated areas.

In case of contact with eyes, rinse immediately with plenty of water and contact a Doctor or Poisons Information Centre (**Ph 13 11 26**). In case of skin contact, wash affected area with hand cleaner followed by soap and water. Material Safety Data Sheets must be read and understood prior to using product.



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Pascoflex Hybrid 25 Technical Specifications

Property	Test Method	Result
Elongation at break	ASTM D412	≥450%
Hardness (Shore A)	ASTM C661	25-35
Joint Movement	ASTM C719	±25%
Sag/Slump		Non Slump
Tensile Strength (MPa)	ASTM D412	≥1.5
Curing Rate (mm/24hr)		2-3
Specific Gravity		1.50 ± 0.02
Skin Time @ 20°C & 50% RH	ASTM C679	Approx. 45min (depending on temp. and %RH)
Cure Time 10mm @ 25°C		5-7 Days
Operating Temperature Range		-50°C to +120°C
Application Temperature		5°C to +45°C
QUV Accelerated Weathering Test	ASTM C793	Passed after 5,000 hours

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