

GRP Adhesive and Sealant

Our GRP Adhesive and Sealant is the perfect companion to our GRP anti-slip products, providing excellent bonding between GRP and various substrates like metal, wood, concrete, and brick. Its exceptional bonding strength allows application in both wet and dry environments, while being resistant to extreme temperatures, chemicals, and most solvents. Our adhesive remains flexible once cured, is available in clear, and is solvent free.

Features

- ◆ **Typical applications:** This remarkable high-strength, water, and weatherproof product is ideal for bonding GRP to various substrates such as metal, wood, concrete, and brick. It also seals vertical expansion joints, and excels in applications that demand durable, high-performance sealing and bonding of joints.
- ◆ **Material:** Solvent free sealant and adhesive combining the best qualities of silicone and polyurethane technologies.
- ◆ **Coverage:** Approximately 11 linear meters per cartridge.
- ◆ **Shelf life:** 12 months in original unopened containers.



Code	Weight	Type	Per	Colour
GRPA1000CL	0.33kg	Tube	290ml	Clear

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Technical Specification

Chemical resistant: Yes, resistant to most solvents and chemicals

Dry area: Yes

Wet area: Yes

Oily and greasy area: Yes

Environment: Suitable for indoor and outdoor use

Product testing:

- ◆ Density 1.50 ± 0.05
- ◆ Application temperature 5°C to 35°C
- ◆ Skin formation at 23°C and 50% RH 30 \pm 10 min
- ◆ Sagging (ISO 7390) Nil
- ◆ Curing at 23°C and 50% RH > 3mm / 24hr
- ◆ Shore A Hardness (ISO 868 – 3 seconds) 55 – 60
- ◆ Modulus at 100% Elongation (ISO 8339) > 0.60MPa
- ◆ Elongation @ Break (ISO 8339) > 60%
- ◆ Tensile Strength (ISO 8339) > 1.5 Mpa
- ◆ Shrinkage (ISO 10563) < 2%
- ◆ Compatibility With Paints - Water based: yes (test compatibility), Solvent based: no (with alkyd paints)

Sustainability: Solvent free

Temperature resistance: -40°C to $+150^{\circ}\text{C}$

UV resistant: Yes

◆ Surface preparation

For optimal results, ensure that all surfaces are thoroughly cleaned and free from dust. While surfaces can be slightly damp, it is important to note that no standing water should be present.

◆ Application

Carefully cut the tip of the cartridge, being cautious not to damage the thread. Attach the nozzle, cut the aperture to the desired width, and proceed to apply the product using a standard sealant gun.

For bonding lightweight items such as GRP nosings, stair treads, decking strips or flat sheets, apply adhesive to the back of the item in one or two continuous beads and immediately press into place.