

Technical Data Sheet

Gap Filla

Acrylic Gap Filler/Sealant.

Description:

Adheseal Gap Filla is a premium-grade, one-component acrylic gap filler specifically formulated for the fast and flexible filling of gaps and cracks where movement or vibration may occur. It is ideally suited for sealing joints around skirting boards, cornices, architraves, window and door frames, and other interior and exterior applications requiring a durable, paintable finish.

Unlike rigid fillers that are prone to cracking or debonding, Gap Filla remains permanently flexible after curing, allowing it to accommodate normal building movement while maintaining a long-lasting seal.

Gap Filla provides excellent adhesion to a wide range of construction substrates, including timber, plasterboard, masonry, concrete, brick, ceramic, glass, and most metals, making it suitable for most common building materials.

Its advanced fast-skinning formulation enables the filler/sealant to become paintable in as little as **10 minutes*** under normal conditions, significantly reducing downtime and allowing projects to be completed more efficiently. This makes Gap Filla particularly suitable for maintenance work, emergency repairs, renovations, and new construction where rapid turnaround is essential.

Gap Filla is easy to apply and finishes smoothly, and its water-based formulation allows simple clean-up with water before curing. Once painted, it provides a seamless, professional finish with excellent long-term performance.

Uses:

- Filling gaps, cornices, plasterboard
- Sealing around sidings and weatherboards
- Filling voids around vents
- Joints with dynamic movement of 5%
- Gap Filla has good adhesion to: Glass, Ceramic, Wood, Brick, Metal, Concrete and many other substrates.
- Sealing around windows and doors
- Sealing gaps and cracks in skirting boards and architraves
- Used in architectural model making
- Display signs
- Sealing materials of different thermal exposure coefficients.



Benefits:

- Water clean-up
- Adheres to most surfaces
- Ready to use – single pack
- Very good adhesion on many porous surfaces and aluminium
- Fast dry, Paintable in 10 minutes
- Low shrinkage
- Interior/exterior use
- Strong adhesion
- Low odour, non-hazardous
- Non-corrosive
- Proven long-term durability and resilience
- Non-toxic, low VOC, meets “green star” environmental criteria
- High permanent flexibility.

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Acceptable Substrates:

Gap Filla has excellent adhesion to most common substrates, including:

- Masonry, brick, concrete
- Metal (except lead & copper)
- Timber, MDF, particleboard, weatherboards
- Plasterboard
- Stone
- Painted surfaces
- Waterproof membranes.

Before use, a preliminary adhesion test is suggested.

Limitations:

Adheseal Gap Filla is NOT designed to be an adhesive and isn't suitable for use in the following applications:

- Only apply to surfaces between 5°C and 35°C
- Not for permanent wet environments, e.g. around water features, swimming pools.
- Composite panels (Adheseal recommends Hi Flex Construction, subject to test first).
- All stone (we recommend the completion of a stain testing program before using any adhesive on stone). S100 is recommended for marble and granite (after stain test).

Application:

Surface preparation: All surfaces must be structurally sound, stable, dry, clean, and free of dust, loose, flaking, friable material and free from oils, grease, form release agents, curing compounds, and any other surface contamination that may hinder adhesion. Substrate must be free from surface water and continual dampness. Concrete must be allowed to cure for at least 28 days. Failure to do so may result in poor adhesion and subsequent delamination. Use the two-wipe process for impervious substrates. Ensure the cloths are clean and changed frequently and use a suitable cleaner/solvent such as methylated spirits. Before use, a preliminary adhesion test is suggested.

Priming: Due to the high bond strength of Adheseal adhesives, adhesion is normally achieved without priming on most substrates. However, for optimal adhesion and critical high-performance applications and highly stressed joints, if priming or surface preparation is being considered, review the following.

Non-porous substrates: Slightly roughen the surface with a fine abrasive pad. Clean and pre-treat using Adheseal 50A surface prep applied with a clean cloth. Once primed, allow no less than 30 minutes, no longer than 2 hours, before applying the adhesive. For

metals, such as copper, brass and titanium-zinc, and plastics such as PVC, an adhesion test is advised.

Porous substrates: Can be primed using Everflex Supaprime applied by brush. Once primed, allow no less than 30 minutes and no longer than 2 hours before applying the adhesive. For more detailed advice and instructions, contact Adheseal Technical Services. Note: Primers are adhesion promoters and not an alternative to improve poor preparation and/or cleaning of joint surfaces.

Primers also improve the long-term adhesion performance of the bonded joint. Avoid excessive application of primer as this can cause puddles at the base of the joint.

Adhesion testing is always recommended; also, refer to the Adheseal Primer Selection Chart.

Installation:

Apply at a temperature between 5°C and 35 °C.

Cut the nozzle at a 45° angle to the desired thickness. Cut the opening on the cartridge and fix the nozzle. Insert the cartridge into the caulking gun. Hold the gun at a 45° angle with the nozzle in contact with both sides of the joint. Apply by pushing sealant ahead of the nozzle, thus ensuring sealant is being pushed firmly into place, in a steady, continuous motion, ensuring good contact with both sides of the joint to achieve optimum adhesion. Tool off with a moistened spatula to finish the joint smoothly before the skin forms, approximately 5 minutes. While the sealant is still wet, clean off any excess. If joint edges have been masked, remove the tape whilst the sealant is still wet. Protect the adhesive from water until it dries.

Incompatibility between some substrates may cause discolouration, poor adhesion, or long-term degradation of the adhesive. Always carry out compatibility tests where contact with potentially incompatible materials occurs.

Clean Up:

While the product is still wet, tools and spills can be cleaned with water. The cured product can be removed by mechanical means.

For cleaning skin, use Adheseal Hand Wipes.

Cure Time:

Full cure is normally achieved in 5-7 days, depending on bead size, conditions and substrates. Larger sections of adhesive will take longer to cure.

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Coverage:

Coverage will vary according to joint width and depth, as well as the type and method of application. The figures below can be used as a guide for:

Adheseal Gap Filla Calculator			
Bead Diameter mm	M per ctg	M Per ssg	M per Lt
4	23.9	47.7	79.58
5	15.3	30.6	50.93
6	10.6	21.2	35.37
7	7.8	15.6	25.98

Physical Properties:	
Type of product	Acrylic Polymer
Curing system	Water Evaporation
Density (specific gravity)	1.64 ±0.03g/cm3
Consistency	Smooth Paste
Application temperature	-10°C to +35°C
Service temperature	+5°C to +80°C
Tack Free Time:	15-60 min.
Cure rate	2mm/24 hours
Storage: Cool Dry between	10°C and 25°C
Elongation at break:	≥100%
Modulus 100% Elongation:	>0.2 Mpa
Shelf life	12 months in original packaging
VOC	23.45g/L
Clean up	Water
Colour	White

Packaging:

300ml Cartridge, 20 per carton. GAPFILLA/CTG

Note: Before application, refer to all relevant TDS's and SDS's detailed product specifications & application instructions.

Colour:

White.

Health and Safety:

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove to fresh air. Call a physician if symptoms persist.

Skin Contact: Wash with soap and water.

Eye contact: Use eye wash to remove a chemical from your eye regardless of the level of hazard.

Ingestion: Do not induce vomiting. Seek medical attention if symptoms develop. Induced vomiting may lead to aspiration of the material into the lungs, potentially causing chemical pneumonitis that may be fatal.

PPE for First Aiders: Wear gloves, apron, safety glasses, respirator. Use with adequate ventilation. If inhalation risk exists wear organic vapour/particulate respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

Notes to physician: Treat symptomatically. Provide medical professional with SDS.

Conditions Of Use and Disclaimer:

The information contained in this TDS is given in good faith based upon our current knowledge and does not imply warranty, express or implied. The information is provided, and the product is sold on the basis that the product is used for its intended purpose and is used in a proper workman-like manner in accordance with the instructions of the TDS in suitable and safe working conditions. Under no circumstances will the Company be liable for loss, consequential or otherwise, arising from the use of the product.

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