

EVO-STIK 007

1 PART HYBRID FLEXIBLE ADHESIVE AND SEALANT

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Fact Sheet No.: TDS01840

YOUR SMART ADVANTAGES

- Multi-Purpose; carpentry, plumbing, tiling, decorating, roofing, sanitary sealing (marked to CE standard 1,3), general DIY
- Hybrid SMP Technology; interior and exterior use, can withstand all weather conditions
- Free of silicones and isocyanates.

USES

EVO-STIK 007 Multi-Purpose Adhesive & Sealant is suitable for flexible bonding and sealing of various substrates, indoors and outdoors. It is specially designed to replace at least 7 individual products including, Panel Adhesive, Mirror Adhesive, Sanitary Silicone, All Weather Silicone, General Purpose Silicone, and Decorators Caulks.

EVO-STIK 007 Multi-Purpose Adhesive & Sealant is a versatile 1-part flexible adhesive and sealant which cures by reaction with moisture to form an elastic adhesive. EVO-STIK 007 Multi-Purpose Adhesive & Sealant is resistant to water immersion in early state of curing and has excellent chemical and weather resistance when cured.

EVO-STIK 007 Multi-Purpose Adhesive & Sealant is free of solvents and has very low shrinkage on curing. EVO-STIK 007 Multi-Purpose Adhesive & Sealant is compatible with paints according to DIN 52452, part 4. Due to variation in properties of different paint systems customers have to perform their own tests to confirm compatibility.

PRODUCT CHARACTERISTICS

Colours	White, Black , Grey, Ivory, Clear
Curing System	Moisture curing
Density	1.5g/ml
Composition	Silan-terminated polymers, neutral crosslinked

Product Codes	30811946	White	290ml x 6
	30811735	Ivory	290ml x 6
	30811737	Black	290ml x 6
	30811738	Clear	290ml x 6
	30811742	Grey	290ml x 6
Storage/Shelf Life	Store for up to 12 months from date of manufacture when stored under cool, dry conditions within the temperature range +5°C to +25°C and out of direct sunlight.		

TYPICAL PERFORMANCE DATA (Approx.)

Application Temperature	+5°C to +40°C (surface temperature)
Temperature Resistance	-40°C to +100°C
Extrusion Rate	>100g/min @6mm
Coverage	11 metres of 5mm diameter bead per cartridge
Skinning Time	15 minutes at 23°C
Drying Times	Approx. 3mm per 24 hours at 23°C
Shrinkage	<3%
Sagging	Sag resistant <2mm (DIN 52454_ST-U26-23)
Tensile Strength (2mm Film)	Approx. 2.5N/sq. mm
Elongation on Break (2mm Film)	Approx. 400%
Shore A Hardness	Approx. 55
Movement Capability	±10%, related to original dimensions of joint

DIRECTIONS FOR USE

IMPORTANT: Before using EVO-STIK 007 Multi-Purpose Adhesive & Sealant refer to the relevant Health & Safety Data Sheet, available at www.bostik.co.uk.

PREPARATION

1. Surfaces must be structurally sound, clean and free from contaminants such as grease, oil and dirt and free from loose material.
2. Surfaces must not have been previously coated with bitumen or tar based products.
3. Adhesion to metal and glass surfaces can be prompted by first wiping with IPA (iso-propyl-alcohol).
4. If desired, place masking tape along the joint edges before application as this can make it easier to create a neat, tooled finish. Use a spatula with a round end to tool the adhesive and check that this tool just fits into the gap between the masking tape so that it catches the excess adhesive.
5. For difficult areas such as corners, behind taps and raised joints it may be helpful to carry out a test run without applying any adhesive to 'get a feel' for the application.
6. When using EVO-STIK 007 Multi-Purpose Adhesive & Sealant on coated surfaces, compatibility should be tested before proceeding further. As an example, when applied to acrylic coatings, plasticizer migration can lead to reduced adhesion.
7. EVO-STIK 007 Multi-Purpose Adhesive & Sealant should be used as soon as possible after breaking the seal on the packaging.

APPLICATION

Bonding:

8. Unscrew the nozzle, and using a sharp knife, carefully cut off the dome of the cartridge, taking care not to damage the thread. Screw the nozzle back into the cartridge.
9. Fit the cartridge into the cartridge gun by pressing the release plate and pulling out the plunger. Insert the cartridge and repeatedly squeeze the trigger until the adhesive appears.
10. Apply EVO-STIK 007 Multi-Purpose Adhesive & Sealant onto one surface ensuring that the layer of adhesive is at least 2mm thick. This will allow the adhesive to be able to accommodate elastic movement when fully cured.
11. Align the other surface up before bringing the 2 surfaces together. Apply even pressure to evenly distribute the adhesive.
12. The adhesive is fully cured after 24 to 48 hours depending on ambient conditions and application thickness.

Gap Filling:

13. Cut off the tapered end of the nozzle at a 45° angle, matching the width of the gap to be sealed.

14. Place the nozzle at the start of the gap, and gently squeeze the trigger. Ensure that contact is being made by the adhesive with both sides of the gap being filled. Avoid trapping air in the joint. Pack out deep joints with suitable foam inserts before applying the adhesive.
15. Once finished, release the trigger and press the plunger release plate of the gun to remove the cartridge from the gun.
16. Smooth over the adhesive with a wet, round ended tool (do not use a wetted finger), before removing the masking tape (if used) from either side of the bead.
17. Ensure to wipe away any excess adhesive from the nozzle after use.
18. Excess adhesive can be removed with a cloth lightly dampened with white spirit. Take care not to contact the recently filled joint.
19. The adhesive skins over after approx. 15 minutes and is fully cured after 24 to 48 hours (dependent on bead width and ambient conditions)

CLEANING

20. Uncured adhesive can be carefully removed using a soft scraper. The remainder can be removed using a cloth dampened with white spirit.
21. Cured adhesive can only be removed by mechanical means. A sharp knife can be carefully used to cut away any excess adhesive.
22. For the adhesive to continue working effectively, ensure that it is cleaned regularly and not submersed under water.

PRECAUTIONS IN USE

EVO-STIK 007 Multi-Purpose Adhesive & Sealant cannot be applied to surfaces which are covered in frost or ice. Do not use EVO-STIK 007 Multi-Purpose Adhesive & Sealant on polyolefins (e.g. Polythene, Polypropylene, Polyethylene plastics, Teflon (PTFE) or silicone rubber). Do not use in areas of constant submersion e.g. swimming pool, aquarium applications. Prevent the entry of uncured adhesive/sealant into drains or watercourses. Do not use on or against bitumen. Not suitable for bedding double/glazed insulating glass units into frames.

For any application not covered please contact Technical Services on +44 (0)1785 272625 or visit www.bostik.co.uk for advice.

Recommendations and suggestions are for guidance only, since conditions of use are completely beyond our control.

For health and safety instructions, first aid measures and spillage and disposal instructions see separate Health and Safety Data Sheet for EVO-STIK 007 Multi-Purpose Adhesive & Sealant available at www.bostik.co.uk.

BOSTIK HOTLINE

Smart help +44 (0) 1785 272625



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