

TECHNICAL DATA SHEET



Sun Seal

General

Bertec Sun Seal is a fast-curing, user-friendly, structural 2-component epoxy adhesive.

Applications

Bertec Sun Seal has been specially developed for bonding and sealing various materials. Sun Seal has good sag resistance, making the product suitable for vertical applications. It also offers excellent gap-filling properties. The product adheres to a wide range of substrates, including plasterboard, concrete, ABS, PVC, SMC, stone, ceramics, marble, metal, aluminium, galvanised steel, cold-rolled steel and hot-rolled steel. Sun Seal is suitable for both indoor and outdoor applications.

Properties

Simply pressing the applicator trigger automatically mixes and accurately dispenses the two components. The adhesive then cures through a chemical reaction between the two components, forming a durable polymer that is resistant to elevated temperatures, moisture and various solvents and chemicals.

Packaging and colours

Colour	Article number	EAN Code	Packaging	Contents
Grey	SUN600	5407011710754		2 x 300 ml

Other colours/packaging available on request

Shelf life

18 months from the date of manufacture in the unopened original packaging. Store frost-free and dry between +15°C and 32°C.

Safety instructions

Avoid prolonged skin contact. If uncured material gets into the eyes, rinse thoroughly with plenty of water and consult a doctor. Consult the MSDS for further information. Available on request.

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Cartridge processing conditions

Apply at a temperature between 15°C and 25°C. The surface to be bonded must be clean, dry and free from dust and grease. Attach the mixing nozzle to the cartridge and dispense 2 cm (do not use) to ensure 100% mixing of the two components.

Application

The Sun Seal adhesive system has been developed for easy dispensing with both manual and pneumatic applicator guns.

To ensure the correct mixing ratio, we recommend first levelling the pistons. Place the opened cartridge in the applicator gun and dispense without a mixing tip until material starts to flow from both cartridge chambers. Then attach the mixing tip.

We recommend using only the supplied mixing tips. Additional mixing tips can be ordered from Bertec BV. Place the cartridge in the applicator gun and operate the trigger at a constant, even speed so that both the prepolymer and hardener are forced through the mixing tip.

It is recommended to discard the first 25 to 30 mm, as the mixing ratio may not yet be correct. Correctly mixed adhesive at the proper ratio has a uniform grey colour and a creamy, smooth and glossy consistency. The mixing time is 50% of the open time.

After application, leave the mixing tip on the cartridge until Sun Seal is used again. When stored correctly, the remaining adhesive will keep for several weeks.

When Sun Seal is used again, remove the static mixing tip and dispose of it correctly. Carefully clean the cartridge openings. The products in both chambers must remain completely separated.

If grey-transparent mixed material is visible on either side, dispense a small amount of product from both openings without a mixing tip until only the separate component emerges from each chamber.

Finally, attach a new mixing tip and resume dispensing.

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Specific technical data – component A

	Unit	Value	Standard
Base		Epoxy	
Colour		White	
Specific gravity	g/cm ³	1.27	
Viscosity	mPas	64000	

Specific technical data – component B

	Unit	Value	Standard
Base		Hardener	
Colour		Transparent	
Specific gravity	g/cm ³	1.22	
Viscosity	mPas	57000	

Technical data – Sun Seal

	Unit	Value	Standard
Working time	Min	10	23°C
Sanding time	Min	20	23°C
Clamping time	Min	15	23°C
Shore D		65	EN ISO 868/23°C
Tensile strength	mPas	13.5	DIN 53504/23°C
E-modulus	mPas	116	DIN 53504/23°C
Elongation at break	%	90	DIN 53504/23°C

The information in this technical data sheet is based on our knowledge and experience and is of a general nature. These data cannot be used as a guarantee and are indicative only. It is the user's responsibility to ensure that the product is suitable for the intended application. Liability shall never exceed that stipulated in our terms and conditions of sale. Under no circumstances shall Bertec BVBA be liable for any consequential damage.

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