



# BOSTIK H540 SEAL'N'BOND EVOLUTION

**BIO-BASED HYBRID SEALANT, ADHESIVE & ELASTIC GAP FILLER**

## TECHNICAL SHEET

Last modified 24/07/2024

### KEY FEATURES

- 46% bio-based content
- Multipurpose 3 in 1: sealing, bonding & gap filling
- Paintable with water-based & bio-based decorative paints
- Adheres perfectly without primer on most, even damp, surfaces
- Free of tin, isocyanates, solvents and SVHC
- Resistant to UV, moisture and weather conditions
- Low V.O.C. emission

## DESCRIPTION

Bostik H540 Seal'N'bond Evolution is a state-of-art multi-functional universal sealant and adhesive based on hybrid technology. With our 3-in-1 formula, it seals, bonds, and fills gaps effortlessly. Featuring innovative renewable and plant-based raw materials, sourced from natural organic biomass resources. Tested according to the **EN 16640:2017** standard, Bostik H540 Seal'N'bond Evolution contains 46% bio-based material.

## AREAS OF APPLICATION

Bostik H540 Seal'N'bond Evolution is specially formulated as a universal sealant and adhesive. Providing long-lasting elastic sealing of non-structural joints, such as perimeter-, window & door joints. Additionally, it serves as a multi-purpose construction adhesive suitable for bonding purposes indoors and outdoors. Compatible with a wide range of materials including: stone, concrete, glass, plasterboard, PU, PVC, hard plastics, enamel, ceramic, copper, lead, zinc, aluminum, metals, alloys, stainless steel, wood and various paint systems.

## DIRECTION OF USE

### ADHESIVE

Apply adhesive in a 'ventilating' way in vertical stripes with 10-20 cm between stripes. Do not apply the adhesive in dots! The use of 3 mm double sided tape or obtaining temporarily support is recommended to support the adhesion during the first 24 hours and to make sure that the thickness of the adhesive is correct. For further questions please contact our technical service department.

### SEALANT

A joint with the correct dimensions is able to absorb movements between building materials. The joint depth should always be in the correct relationship of the joint width. A general rule is the ratio of joint depth to the width of the joint with a joint width up to 10 mm is 1:1, with a minimum of 5 mm in width and depth. For joints wider than 10 mm, the depth is the width divided by 3 plus 6 mm.



## TECHNICAL CHARACTERISTICS

<b>100% modulus</b>	DIN 53504 S2	1,20 - 1,40 N/mm2
<b>Application rate</b>	Ø2,5 mm/6,3 bar	250-400 g/min.
<b>Application temperature</b>		+5°C to +40°C
<b>Base</b>		Bio-Based Hybrid
<b>Curing time</b>	@ +23°C/50% RH	2-3 mm/24 hours
<b>Density</b>	ISO 1183-1	1,45 - 1,53 g/ml
<b>Elongation at break</b>	DIN 53504 S2	150 - 250 %
<b>Flow</b>	ISO 7390	<2 mm
<b>Frost resistance during transportation</b>		up to -15°C
<b>Joint movement</b>		20%
<b>Shore A hardness</b>	DIN 53505 3 sec.	45 - 55
<b>Skin formation</b>	DBTM 16	20-35 min. @ +23°C/50% RH
<b>Temperature resistance</b>		-40°C to +110°C.
<b>Tensile strength</b>	DIN 53504 S2	1,50 - 2,00 N/mm2

## LIMITATIONS

- Not suitable for PE, PP, PC, PS, PMMA, PTFE, soft plastics, neoprene and bituminous substrates.
- Not suitable for natural stone and mirrors.
- Not suitable in combination with chlorides (pools).
- Not suitable with aquariums.

## SURFACE PREPARATIONS AND FINISHING

Application temperature +5°C to +40°C (applies to environment and substrates). All substrates must be solid, clean and free of grease and dust. Clean substrates with the Bostik cleaner. Bostik H540 Seal'N'bond Evolution adheres perfectly without the use of a primer to most non porous substrates. Pre-treat porous substrates with a suitable Bostik primer. Always test adhesion prior to application. Use Bostik T500 finishing soap to smooth the joint.

## PAINTABILITY

Bostik H540 Seal'N'bond Evolution is paintable with water based as well as compatible with new generation bio-based decorative paints. Synthetic paints can dry slower. We recommend testing compatibility with paint prior to application. If Bostik H540 Seal'N'bond Evolution is being painted over (not necessary), we recommend slightly sanding the sealant and the junction surfaces prior to use with Scotch-Brite. For the best results, we recommend painting a few days after application.

## CLEANING

Uncured material and tools can be cleaned by either Bostik T100 Universal cleaner or Bostik cleaning wipes. Once cured, material can only be removed mechanically. Hands can be cleaned with Bostik wipes.






## STORAGE

Store between +5°C and +25°C and in shaded conditions. Shelf life is 18 months when stored as recommended in original unopened packaging.

### SUSTAINABILITY FEATURES

<b>Bio-based content</b>	46% according to EN 16640:2017 standard
<b>Recycled content</b>	Yes 40% PCR cartridge
<b>Generic EPD</b>	EPD-FEI-20220021-IBG1-EN

## CERTIFICATIONS

	EMICODE EC1 PLUS
	M1 Emission classification
	ISEGA
	EN 15651-1: F-EXT-INT-CC 20HM
	A+ French VOC Regulation

## HEALTH & SAFETY

For more details, consult the safety data sheet on: <https://bostikdsd.thevercs.com/>

The application recommendations are defined by standards of use. They are imperative to respect them, but they don't need a previous try, especially for a first use or particular inconvenient of support, site or environment. Consult our safety data sheets for precautions to use.

### DISCLAIMER

Bostik offers this Technical Data Sheet ("TDS") for descriptive and informational use only. It is not a warranty, a contract or a substitute for expert or professional advice. Please also see the local product Safety Data Sheet for health and safety considerations.

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