

TECHNICAL DATA SHEET

BDGBX - Version 1: 15/10/25 *Supercedes*

GBX SEALANT & ADHESIVE

Next Gen STP High Grab Sealant & Adhesive

A one part, premium quality, high modulus sealing, bonding and fixing material based on advanced STP hybrid polymer technology. A totally neutral curing "hybrid" sealant for use in areas requiring a tough elastic rubber joint, or in areas subject to high humidity, or as an adhesive with superior bonding strength. An all round sealant and adhesive for any Trade.

FEATURES & BENEFITS

◆ High modulus, remains permanently flexible (can elongate up to 300%) ◆ Contains a biocide to retard mould growth and bacteria build-up ◆ Overpaintable w Non-shrinking, non-cracking and bubble free ◆ Free of isocyanates, solvents, silicone and phthalates ◆ Anti-pick properties* ◆ Rapid curing ◆ Wet on wet application, even under water ◆ Neutral curing, virtually odourless so ideal for sensitive environments ◆ Resistant to salt water, UV and weather ◆ Non-corrosive on metals ◆ Absorbs acoustic and mechanical vibrations ◆ Food safe (ISEGA certified) ◆ EC1 Plus certified for very low emissions.



TYPICAL USES

- For sealing and bonding interior and exterior applications in all weather conditions.
- Seals and bonds most construction materials such as brick, concrete, stone, glass, plasterboard, PU, PVC, hard plastics, enamel, ceramic, aluminium, copper, lead, zinc, metals, alloys, stainless steel, HPL and cement fibre panels, wood and paint systems, carbon fibre materials, fibreglass and GRP.
- For sealing in humid areas such as bathrooms and kitchens to prevent mould build-up caused by bacteria.
- For filling and sealing of connecting joints, cracks, holes, etc. in the building sector.
- For bonding metal to metal (can absorb vibration) and will not etch or burn surfaces when subject to expansion and contraction of the metals.
- For underwater sealing in marine applications, as it is resistant to seawater, and can be used as a pool sealant in closed-face applications, such as floor and wall tiles.
- For roofing jobs such as fixing solar panels, fixing and sealing gutters and down pipes.
- For outdoor repair work on garden furniture, planters, ornaments, slates and cracked concrete.
- As a mirror adhesive as it will not attack mirror backings.
- As an anti-pick sealant, due to its shore A hardness of 54, to prevent vandalism or debonding, especially in correctional facilities.

LIMITATIONS

- If allowed to cure in dark conditions or poor light the product may yellow.
- Not recommended for use with expansion joints.
- Not for use in aquariums. Note: not suitable for use on LSE plastics such as PE, PP and PTFE.
- This product may cause staining on marble and other stone surfaces. This can be avoided by using a sealer prior to application of GBX.
- Do not use for bedding in double glazed units, for this application we would recommend our LN7 silicone. Do not use on surfaces that bleed oils or plasticisers.

SPECIFICATION SUMMARY

Tooling Time	5-10 minutes
Skin Time	approx. 10 minutes
Full Cure Time	2.5mm depth per day
Application Temperature	+5°C to +40°C
Service Temperature	-40°C to +120°C
Shore A Hardness (DIN 53505)	54 ⁺ ₄
Tensile Strength	2.1N/mm ²
Elongation At Break	>300%
Density	1.55g/cm ³
Commodity Code	3214101000

SILICONES | HYBRIDS | ADHESIVES | ROOF COATINGS | TAPES | OUTDOOR | CHEMICALS | PU FOAMS | FLOORS & WALLS

Bond It is a UK manufacturer and industry leader in the development of professional silicone polymer technologies, premium construction adhesives and building chemicals.

Made In the UK



SURFACE PREPARATION

Ensure all surfaces are clean and free from grease, oil or any other contaminants that may hinder adhesion. Temperature range during application should be between +5 and +40°C. A primer to most non-porous substrates is not required but always test adhesion prior to full application. We recommend that test areas be carried out on any substrate prior to application to ensure compatibility of materials.

APPLICATION / INSTRUCTIONS

Carefully cut the top of the cartridge taking care not to damage the threaded area. Screw on the nozzle supplied and cut at an angle approximately 45°. Apply using a standard sealant gun.

As an adhesive: apply in beads or strips (approx 10-20cm apart) and bond the surfaces together carefully and allow to cure. For mirrors: any mirror made with 6mm glass or thicker, greater than 1m², or on a sloping wall or ceiling must have mechanical fixings.



As a sealant: apply in a continuous bead along the aperture and leave to fully cure. Smooth the joint by tooling with a soapy solution using Bond It Sealant Applicator Tool. Remove any excess material and clean tools with Bond It White Spirit or Multi-Wipes prior to curing taking place. Cured adhesive must be removed mechanically. Replace plastic cap after use to prevent curing in the nozzle.

COVERAGE

Depending upon substrate condition and porosity approximately 10 linear metres with a 6mm bead per cartridge.

PAINTING

As quality and type of paint can vary, always test compatibility before use but we only recommend use of water-based or 2 component paints with this product. Synthetic paints can dry slower. We recommend, if the joint is being overpainted, slightly sanding the sealant and the junction surfaces prior to use. For the best results, we recommend painting a few days after application.

CLEANING & DISPOSAL

Tools can be cleaned in Bond It White Spirit or Multi-Wipes prior to curing taking place. Dispose of any contents/ packaging to a central disposal point in accordance with local regulations.

STORAGE & SHELF LIFE

Store in cool, dry conditions at a temperature between +5°C and +25°C. Protect from frost and direct sunlight. Shelf life: Colours: Minimum 18 months; Clear: Minimum 12 months from date of manufacture, when stored in original, unopened containers.

HEALTH & SAFETY

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice on 01422 315362.

ORDER INFORMATION				
CODE	COLOUR	FILL	BARCODE	UFI
BDGBXWH	White	290ml	5056437402608	QDV0-A0V7-H00J-E37X
BDGBXCL	Crystal Clear	290ml	5056437402615	QDV0-A0V7-H00J-E37X
BDGBXBL	Black	290ml	5056437402622	QDV0-A0V7-H00J-E37X
BDGBXAN	Anthracite	290ml	5056437402639	QDV0-A0V7-H00J-E37X

Disclaimer: The data presented is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary, clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.

UK CA 25	CE 25
BOND IT H4 Premier Way, Elland. HX5 9HF. UK	
EN15651-1,3:2012 F EXT- INT, S1 DoP: BDGBX DoP: BDGBX NB: 2538 NB: 0757 Façade sealant for exterior and interior use.	
Reaction to fire	E
Release of chemicals	None
Elastic Recovery	≥70%
Resistance to flow	< 3mm
Loss of volume	NPD
Adhesion / cohesion after water immersion	≥25%
Adhesion / cohesion at maintained extension	NF
Adhesion / cohesion at variable temperature	NF
Secant Modulus @ +23°C	≥0.4N/mm²
Secant Modulus @ -20°C	≥0.6N/mm²
Tensile properties at maintained extension	NF
Durability	Pass

STANDARDS/ CLASSIFICATION

Conforms to EN 15651-1,3: 2012
F EXT- INT S1.

ISEGA



UK
CA CE



bond it

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