

Technical Data Sheet

BNC SILICONE Revised

03.08.10



BARNWELL

THE SEAL OF APPROVAL

BNC Silicone

PRODUCT DESCRIPTION

BNC SILICONE is a single component, low modulus, oxime curing silicone sealant/adhesive.

APPLICATIONS

BNC SILICONE can be used on all glazing and industrial work along with common building and construction joints. BNC SILICONE can be used on a wide variety of substrates including metal, wood, painted metals, glass, PVC, Polycarbonate, Polyacrylate and many others. BNC SILICONE conforms to BS 5889 type A.

USEFUL NOTES

- Joint Movement of up to 25%.
- Temperature Resistance of -40 to +180C.
- UV Resistant / Stable.
- Adheres to most surfaces.
- Stays permanently elastic after curing
- Easy to use.

INSTRUCTIONS FOR USE

- Ensure that surfaces to be bonded are clean and free from grease, dirt, dust and any other contamination.
- Glass, metal and aluminium should be cleaned with B7063 Solvent Cleaner for best adhesion.
- Cut the tip of the cartridge taking care not to damage the thread and affix nozzle to cartridge.
- Cut nozzle at 45°C leaving an opening slightly larger than the gap to be filled.
- Apply using a standard sealant gun using firm even pressure to achieve the desired bead width.
- To ensure a proper bond smooth the sealant with a spatula or similar tool.
- SMOOTH WITHIN 15 MINUTES OF APPLICATION.
- Allow the bond to fully cure.

STORAGE

BNC when stored in a dry area between 5°C and 25°C will have a shelf life of 18 months.

HEALTH & SAFETY IN USE

This Technical Information Sheet does not constitute a Material Safety Data Sheet. Before using this product ensure you have read and fully understood Bondloc Material Safety Data Sheet Bondloc BNC.

JOINT CONSIDERATIONS

Minimum joint depth	4mm
Maximum joint depth	30mm
Joint ratio	Max. Depth 50% of joint width
Coverage	10 linear meters 9mmx 9mm joint

TECHNICAL FEATURES

Chemical Base	Oxime
Curing system	Moisture cure
Colour	Clear, White, Black, Grey
Appearance	Grey paste
Shrinkage (DIN 52451)	None
Specific Gravity	0.99 ±0.04g/cm ³
Skinning time	5 mins @ 20°C
Elastical recovery	>80°C
Elasticity modulus 100%	0.30 N/mm ²
Maximum tension	1.30 N/mm ²
Cleaning solvent	White spirit
Application temp	-40 to +180°C

TYPICAL BOND / SEAL CHARACTERISTICS

Movement accommodation	25%
Temperature resistance	-60°C to 180°C
Hardness shore A	21 ± 5
Elongation at break	800%

PRESENTATION

Cartridge.....80ml, 310ml

PRECAUTIONS: This product and the auxiliary materials normally combined with it are capable of producing adverse health effects ranging from minor skin irritation to serious systemic effects. None of these materials should be used, stored, or transported until the handling precautions and recommendations as stated in the Material Safety Data Sheets (MSDS) for this and all other products being used are understood by all persons who will work with the product. Warranty: All products purchased from or supplied by Bondloc are subject to terms and conditions set out in the contract. Bondloc warrants only that its product will meet those specifications designated as such herein or in other publications. All other information supplied by Bondloc is considered accurate but are furnished upon the express condition the customer shall make its own assessment to determine the product's suitability for a particular purpose. Bondloc makes no other warranty, either express or implied, including those regarding such other information, the data upon which the same is based, or the results to be obtained from the use thereof; that any product shall be merchantable or fit for any particular purpose; or that the use of such other information or product will not infringe any patent.