LN11

Firescreen Silicone Sealant

Technical Data Sheet

PREMIERE SILICONE & SEALANT RANGE

CLASS
EN1366-3; EN1366-4

Description:
Fire resistant neutral cure silicone for the protection of engineered movement joints in buildings and sub-surface applications.

Features & Benefits:

- ***Fire retardant.***
- ***4 hour fire rating.***
- ***For interior and exterior use.***
- ***Minimal shrinkage.***
- ***Primerless adhesion.***
- ***UV and weather resistant.***

Specification Tests:

Conforms to **EN1366-3** (penetration seals) and **EN1366-4** (linear joint seals) with an integrity and insulation value in excess of 4 hours for certain joint geometries.

Uses

LN11 maintains the integrity of fire walls when breached by conduits, pipes, etc. Sealing panels, door frames, partitions, cap beading of protective fire glazing. Gives a flexible low modulus seal which withstand movements in excess of 25% throughout a wide range of temperatures.

Prevents the spread of flame, smoke, toxic gases and water. Halogen free to reduce the risks of toxic fumes and corrosion in the event of fire.

Has high movement capabilities and excellent adhesion to all common building materials. Suitable for use on concrete, cement, all kinds of metals, timber, glass, ceramics and many plastics. All the benefits of a silicone rubber sealant, sealing, waterproofing, etc. Resistant to water, dilute acids and alkalis, soap and household detergents.

Limitations

Not suitable for use on bitumen or asphalt surfaces. Over painting is not recommended. Certain solvents may soften and swell the cured silicone on prolonged contact.

Preparation

Ensure all surfaces are clean, dry and free from grease, oil or any other contaminants that may hinder adhesion. Prime porous surfaces and metals other than stainless steel or anodised aluminium for optimum adhesion.

Application

Apply using a standard sealant gun with the nozzle cut at an angle of 45°, and to an opening slightly larger than the joint to be sealed. Use the appropriate backing material to set the depth of the seal. Gun in the sealant, taking care to avoid entraining air or leaving gaps and ensure that there is complete contact between sealant and substrate, particularly in any crevices. Tool down using a wetted spatula or a SEALANT APPLICATOR TOOL.

For applications where movement will occur, the correct geometry is essential to make sure that a fire break is maintained. Full fire test report is available on request.

Tools and any excess material can be cleaned with Bond It WHITE SPIRIT or MULTI-WIPES prior to curing taking place.

Coverage

Depending upon substrate condition and porosity approximately 8.5 linear metres with a 6mm bead per cartridge.

Colour

LN11 is available in white only.

Size

310ml plastic cartridge.

Shelf Life

Minimum 12 months from date of manufacture when stored in original, unopened cartridges.

Storage Conditions

Store in cool, dry conditions at a temperature between +5°C and +25°C. Protect from frost and direct sunlight.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

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.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Specification Summary

Tooling Time		10-15 minutes
Skin Time @+23°C and 50%RH		5-10 mins
Full Cure Time		2-3mm/24 hours
Application Temperature		+5°C to +40°C
Service Temperature		-30°C to +150°C
Shore A Hardness		20-28+/-5
Tensile Strength	- (2mm thick film)	1.5N/mm²
	- (glass slabs)	0.55N/mm²
Elongation At Break	- (2mm thick film)	550%
	- (glass slabs)	260%
Modulus at 100% Elongation	- (2mm thick film)	0.37N/mm²
	- (glass slabs)	0.32N/mm²
Movement Accomodation		25%
Density		1.25 - 1.30g/cm³
Extrudibility		55g/min
Commodity Code		3214101000

Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDLN11WH	White	310ml	5060021360199	-

Part of the Bond It Silicone & Sealants Range

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Certificate Number 6152
ISO 9001
ISO 14001
ISO 45001

Note: *The data presented in this leaflet 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 in this leaflet 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.*

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