

LN7

Premium Low Modulus Neutral Cure Silicone

Technical Data Sheet



PREMIERE SILICONE & SEALANT RANGE

CLASS
EN15651-1,2; F EXT-INT; G, CC 25LM

Description:

LN7 is the most versatile sealant available. It gives off no solvents or corrosive vapours while setting and sets quickly under all conditions when exposed to air. LN7 is compatible with all metals and plastics and contains no components that can degrade insulating glass seals. Conforms to BS EN 15651-1,2:2012.

Uses

Bond It LN7 can be used in construction, engineering and electrical applications. It is used as a high extensibility sealant for external and internal applications, including expansion joints, and perimeters of frames. As a rubber adhesive for bonding most materials. As a potting compound to encapsulate electronic components to protect from moisture, tampering and shock. As a gasketing material and as a bedding compound for glazing double glazed units into timber frames.

LN7 is inherently resistant to fungal attack. Accelerated aging tests indicate a life expectancy of in excess of thirty years.

It is ideal for use on: glass; ceramics; all metals; concrete; sealed timber; brick; most plastics; polycarbonate and all painted surfaces.

Preparation

Ensure all surfaces are clean, dry and free from grease, oil or any other contaminants that may hinder adhesion. On porous surfaces priming may be necessary.

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.

Best tooling is achieved if a minute or two is allowed after application before smoothing with Bond It SEALANT

APPLICATOR TOOL. Polyethylene foam backing rod pushed into construction joints before sealing gives a technically superior joint and minimises sealant consumption. For gaskets and potting applications ensure that the sealant has some contact with the air as total encapsulation of the sealant will prevent curing.

Once the silicone has been applied and tooled rain will not have any adverse effects on the sealant.

Limitations

Porous surfaces should be primed first. Do not use on surfaces where water can penetrate through porous materials to the bond

interface without first carrying out remedial work. Polished decorative stone such as granite, etc may absorb silicone oil from the sealant and undergo a change in surface gloss.

The safety backing on some mirrors is not suitable for adhesive fixing with silicone. If using mirrors with a safety backing ALWAYS carry out an adhesion test.

Colour

LN7 comes in 3 colours: white, translucent and black.

Container Size

310ml plastic cartridge.

Shelf Life

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

Storage Conditions

Store in cool, dry conditions at a temperature between +5 and +30°C.

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 material safety data sheet for full handling, use and storage instructions. Keep out of reach of children. It is the users 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. It is recommended that users make their own tests to determine suitability.



Specification Summary

Tooling Time	5-10 minutes
Skimming Time	15-25 minutes
Rate of Cure	1-2mm per day
Joint Movement Capability	25% by ISO methods
Application Temperature	+5°C to +30°C
Elongation To Break	300%
Secant Modulus @ 100% Elongation	0.35N/mm ²
Density	1.02
Tensile Strength	0.7N/mm ²
Movement Capability	25%
Service Temperature	-40°C - +180°C continuous exposure, higher temperatures can be withstood for limited periods



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EN15651-1,2:2012
F EXT-INT G CC 25LM
Facade sealant for exterior and interior
use. Glazing silicone.

Reaction to fire	E
Release of chemicals	None
Resistance to flow	≤ 3mm
Loss of volume	≤10%
Tensile properties after water immersion	NF
Durability	Pass

Product / Order Details:

Code	Colour	Size	Barcode
BDLN7T	Translucent	310ml	5060021360090
BDLN7WH	White	310ml	5060021360106
BDLN7BL	Black	310ml	5060021363176



Part of the Bond It Premiere Silicone & Sealant Range



The data presented in this leaflet are in accordance with the present state of our knowledge, but do 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.



Certificate Number:
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ISO 9001; ISO 14001;
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