

WP70

Neutral Cure Oxime Silicone Sealant

Technical Data Sheet



TRADE SILICONE RANGE

CLASS
EN15651-1,2,3 F EXT-INT, G, S1

Description:

A one component, professional grade neutral oxime curing sealing compound. Conforms to EN15651-1,2,3.

Features & Benefits:

- ◆ **Permanently elastic.**
- ◆ **Contains additional PVCu adhesion promoters.**
- ◆ **Rapid curing.**
- ◆ **UV stable colours.**
- ◆ **Suitable for alkaline and metal surfaces.**
- ◆ **Contains fungicide - mould resistant.**
- ◆ **High gloss finish.**

Uses

Bond It WP70 is a high quality, neutral cure oxime silicone for perimeter sealing external door and window frames. and for weather sealing and flexible jointing of infill panels. Rapid curing with good adhesion properties to most common building materials, glass, aluminum and painted surfaces.

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. Not suitable for use on natural stone. Not suitable for use with aquaria. Not suitable for use on bitumen or asphalt. Over-painting is not recommended. Risk of yellowing in low UV light situations.

Preparation

Ensure all surfaces are clean, dry and free from grease or any contaminants that may hinder adhesion. For best results on movement joints, Bond It EXPANDING FOAM is recommended as a backing material, or a suitable backing tape or rod.

Application

All surfaces must be clean, dry and dust and grease-free. Porous materials should be primed for optimum adhesion. When sealing deep joints use foam backer rods



to minimise wastage. Cut the tip of the cartridge, screw on nozzle and cut at an angle of 45°. Apply at temperatures between +5°C and +45°C using a standard sealant gun.

Tool the sealant using the appropriate shaped tooling aid such as a Bond It SEALANT APPLICATOR TOOL - DO NOT USE A WETTED FINGER. Note: Sealant may crack if exposed to movement before it is suitably cured,

therefore joints should be protected from movement for at least 3 hours after application. Tools can be cleaned in Bond It WHITE SPIRIT or MULTI-WIPES prior to curing taking place.

Maintenance

Resistant to all common household cleaning chemicals. In showers and bathrooms best results are obtained with a weekly clean to prevent organic build up. Stains can be removed with commercial bleach. Provide regular and sufficient ventilation in closed rooms.

Coverage

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

Colour

See reverse for available colour and size options.

Size

EU3 plastic cartridges and 600ml foil in white.

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.

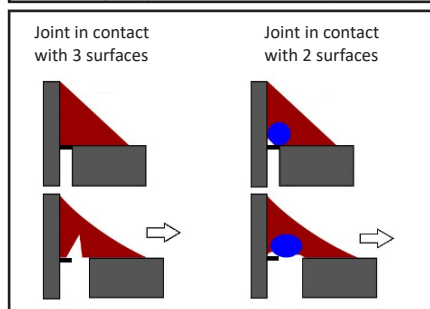
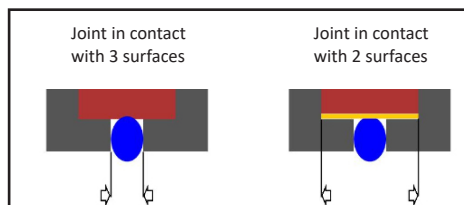


Specification Summary

Tooling Time	5-10 minutes
Skin Time	Less than 30 minutes
Full Cure Time (at +23°C and 50% RH)	Approx 3mm per day
Application Temperature	+5°C to + 40°C
Service Temperature	-60°C to + 160°C
Shore A Hardness	Approx 20 -28
Tensile Strength	1.40 N/mm ²
Elongation At Break	Approx 4200%
Movement Accomodation	12.5%
Secant Modulus	Approx 250N
Elastic Recovery	100%
Density	1.1g/cm ³
Commodity Code	3214101000

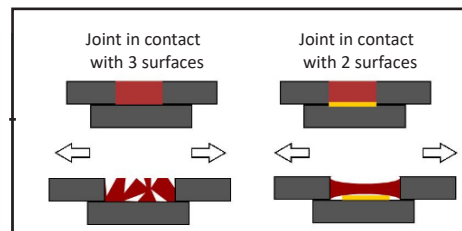
Skin formation and cure rate times are highly dependant upon temperature and humidity.

Joint Set Ups



The correct joint layout requires a sealant to be only in contact with 2 surfaces. This can be achieved with use of a backing rod. If the joint is not deep enough to use a backing rod then a bond breaking tape can be used.

- A sealant joint depth should be no less than 5mm.
- Joint depth should be 5mm for joints up to 10mm wide.
- Joints above 10mm wide should have a depth of at least half of the width. For example a joint that is 16mm wide should have a depth of at least 8mm.



Product / Order Details

Code	Colour	Fill	Barcode	UFI (for all)
WP70BR	Brown	285ml	5060021364586	H4A0-204C-000K-41FN
WP70WH	White	285ml	5060021364568	
WP70T	Translucent	285ml	5060021366177	
WP70BL	Black	285ml	5060021368980	
WP70RW	Rosewood	285ml	5060021368607	
WP70ANT	Anthracite	285ml	5060021369819	
WP70GR	Grey	285ml	5060021369116	
WP70TF	Toffee	285ml	5060021369109	
WP70BU	Buff	285ml	5060021368805	
WP70WH6	White	600ml Foil	5056437400987	



Part of the Bond It Silicone & Sealants Range



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.



Version 14: 11/03/24
Supercedes V13 10/10/22

bond it

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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/mm ²
Secant Modulus @ -20°C	<0.6N/mm ²
Tensile properties at maintained extension	NF
Durability	Pass
Microbiological growth	S1

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EN15651-1,2,3:2012
F EXT- INT, G, S1

DoP: WP70
NB: 2538

DoP: WP70
NB: 0757

Façade sealant for exterior and interior use.
Sanitary Sealant.