



WP100

Premium Neutral Cure Oxime Silicone Sealant

Technical Data Sheet



TRADE SILICONE RANGE

CLASS
EN15651-1,2,3
F EXT-INT, G, XS1

Description:

A premium, single component, moisture curing, neutral cure silicone sealant. Conforms to EN15651-1,2,3 F EXT-INT, G, XS1.

Features & Benefits:

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

Uses

Bond It WP100 is suitable for use as a perimeter sealant for external door and window frames and for weather sealing and flexible jointing of infill panels. Also for building and construction joints and joints between different materials with high movement.

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 SEALANT APPLICATOR TOOL - DO NOT USE A WETTED FINGER.

Note: sealant may tear 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.

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, EU4 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.

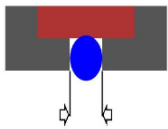


Specification Summary

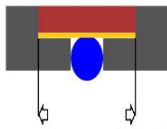
Tooling Time	5-10 minutes
Skin Time	8 minutes
Full Cure Time (at +23°C and 50% RH)	Approx 3mm per day
Application Temperature	+5°C to + 40°C
Service Temperature	-60°C to + 160°C
Shore A Hardness	Colours: 20+/-5; Trans: 18+/-5
Tensile Strength	2.55 N/mm ²
Elongation At Break	Approx 400%
Movement Accomodation	25%
Secant Modulus (mortar)	Approx 0.67N/mm ²
Elastic Recovery	97%
Density	1.2g/cm ³
Commodity Code	3214101000

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

Joint Set Ups



Joint in contact with 3 surfaces



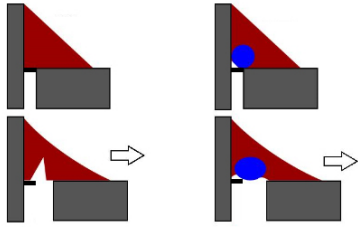
Joint in contact with 2 surfaces

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.

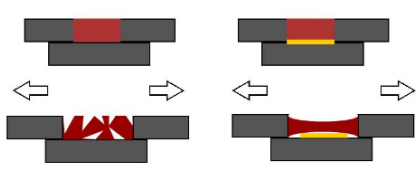
Joint in contact with 3 surfaces



Joint in contact with 2 surfaces



Joint in contact with 3 surfaces

Joint in contact with 2 surfaces



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BOND IT H4 Premier Way, Elland. HX5 9HF. UK	
EN15651-1,2,3:2012 F EXT- INT, G, XS1 DoP: WP100 DoP: WP100 NB: 2538 NB: 0757	
Façade sealant for interior and exterior use. Sanitary Sealant.	
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 tmperature	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	XS1

Product / Order Details

Code	Colour	Fill	Barcode	UFI (For all)
WP100AGY	Agate Grey	285ml	5056437402295	DS30-5022-900F-H706
WP100AN	Anthracite	285ml	5056437400758	
WP100BL	Black	285ml	5060021369697	
WP100BR	Brown	285ml	5056437400765	
WP100BU	Buff	285ml	5056437402554	
WP100CML	Caramel	285ml	5056437402561	
WP100CG	Chartwell Green	285ml	5056437402332	
WP100CR	Cream	285ml	5056437402349	
WP100RW	Rosewood	285ml	5056437400772	
WP100T	Translucent	285ml	5060021368515	
WP100WH	White	285ml	5060021368508	
WP100DAN	Dark Anthracite	285ml	5056437401014	
WP100AN4	Anthracite	380ml	5056437401229	
WP100RBL4	Black	380ml	5056437400956	
WP100BU4	Buff	380ml	5056437400963	
WP100DAN4	Dark Anthracite	380ml	5056437401007	
WP100LW4	Limestone White	380ml	5056437402530	
WP100MG4	Mid Grey	380ml	5056437400789	
WP100PS4	Portland Stone	380ml	5056437402547	
WP100R4	Red	380ml	5056437400857	
WP100WH4	White	380ml	5060021369413	
WP100WH6	White	600ml Foil	5056437400994	



Part of the Bond It Silicone & Sealants Range

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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