# WP100

## Premium Neutral Cure Oxime Silicone Sealant

### Technical Data Sheet

**CATEGORY: SILICONES & SEALANTS**

**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.***
- ***Extended cure time.***
- ***UV stable colours.***
- ***Suitable for alkaline and metal surfaces.***
- ***Contains fungicide suitable to resist external mould growth.***

### 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.

### 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.

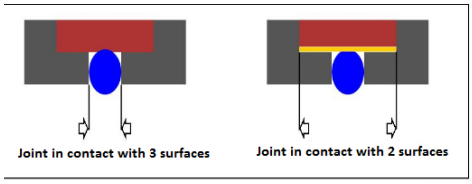
***Note: this information is for general guidance only, since site conditions and labour are beyond our control.***

## Specification Summary

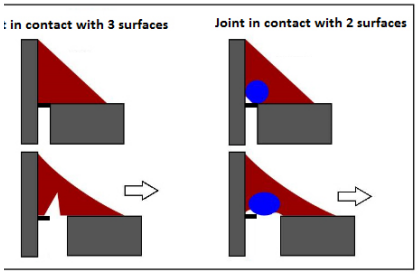
| | |
|---|---|
| Tooling Time | 5-10 minutes |
| Skin Time | 8 minutes |
| Full Cure Time (at +23°C and 50% RH) | Approx 3mm per day |
| Application Temperature | +5°C to + 40°C |
| Service Temperature | -60°C to + 160°C |
| Shore A Hardness | Colours: 20+/-5; Trans: 18+/-5 |
| Tensile Strength | 2.55 N/mm² |
| Elongation At Break | Approx 400% |
| Movement Accomodation | 25% |
| Secant Modulus (mortar) | Approx 0.67N/mm² |
| Elastic Recovery | 97% |
| Density | 1.2g/cm³ |
| Commodity Code | 3214101000 |

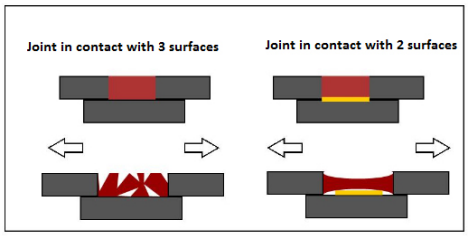
*Skin formation and cure rate times are highly dependant upon temperature and humidity.*

## 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.




UK CA 23

CE 23

**BOND IT**
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**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/mm² |
| **Secant Modulus @ -20°C** | ≤0.6N/mm² |
| **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 | |
| WP100MG4 | Mid Grey | 380ml | 5056437400789 | |
| WP100PS4 | Portland Stone | 380ml | 5056437402547 | |
| WP100R4 | Red | 380ml | 5056437400857 | |
| WP100WH4 | White | 380ml | 5060021369413 | |
| WP100BR4 | Brown | 380ml | 5056437403933 | |
| WP100MAG4 | Magnolia | 380ml | 5056437403926 | |
| WP100WH6 | White | 600ml Foil | 5056437400994 | |

## Useful Products

***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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*Supercedes V19 14/08/25*

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