



Never compromise on quality!



# PU18

## High Strength Polyurethane Adhesive & Sealant

### Description

*A one part moisture curing polyurethane adhesive/sealant for the construction and transport industries. PU18 produces tough, elastic seals and joints with excellent adhesion characteristics and resistance to most chemicals. PU18 is also oil resistant making it ideal for the engineering industry. Conforms to BS EN 15651-1,4:2012.*

### Uses

Bond It **PU18** can be used for sealing and bonding in engineering, construction, automotive and marine applications.

It is ideal for use on:

- ◆ concrete
- ◆ wood
- ◆ metals
- ◆ GRP
- ◆ glass
- ◆ rubbers
- ◆ most common building materials.

### Preparation

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

### Application

Puncture seal at the base of the nozzle screw. Apply using a standard sealant gun.

When bonding bring two components together before the product skins.

When using as a sealant tool with detergent solution within 10 minutes.

**PU18** is over paintable with water based paints, however, tests should be carried out with solvent based paints to determine suitability.

### Container Size

310ml cartridge.

### Colour

**PU18** is available in 3 colours, white, grey and black.

### Shelf Life

12 months from date of manufacture.

### Storage Conditions

Store in dry ventilated conditions between +5°C and 25°C. Store away from heat.

### Limitations

Do not use for aquarium construction. Do not use with bitumen or asphalt. Not suitable for joints with movement greater than 15%.

### 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

Contains isocyanates. See information supplied by the manufacturer. May cause sensitisation by inhalation. Do not breathe vapour. Keep out of reach of children. Avoid contact with eyes and skin. In case of contact wash immediately with water. Use in well ventilated areas. Do not take internally. Wash hands thoroughly after use. Safety data sheet available for professional user on request.

Always follow the manufacturers' recommendations when using this product. It is the users responsibility to determine suitability. Health and safety data sheet available upon request.

## Specification Summary

Form	Thixotropic Paste
Skinning Time @ 20°C, 65% RH	15 minutes
Thickness polymerised after 24 hours @ 23°C 50%RH	3mm
Application Temperature	+5°C to +35°C
Density	1.3 g/cm <sup>3</sup>
<b>On a polymerised joint</b>	
Shore A Hardness 150 868 - 3 seconds	ca 40
Modulus @ 100% (DIN 53504)	0.8 N/mm <sup>2</sup>
Elongation At Break ISO 8339	ca 700%
Elastic Recovery ISO 7389	>80%
Service Temperature Range	-30°C to +90°C

### Container Sizes:

<b>Colour:</b>	White	Grey	Black
<b>Code:</b>	BDPU18WH	BDPU18GR	BDPU18BL
<b>Size:</b>	310ml	310ml	310ml
<b>Barcode:</b>	5060021362162	5060021362414	5060021362407



**BOND IT**  
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**EN15651-1,4:2012**  
F EXT-INT PW-INT  
Facade sealant for exterior and interior  
use. Sealant for walkways for internal  
use.

Reaction to fire	E
Release of chemicals	None
Resistance to flow	≤ 3mm
Loss of volume	≤15%
Tensile properties after water immersion	Pass
Tensile properties after maintained extension	Pass
Tear Resistance	Pass
Elongation at Break	≥25%
Durability	Pass

*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: 6152  
ISO 9001  
ISO 14001



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