

PU18

High Strength Polyurethane Adhesive And Sealant

Technical Data Sheet



PREMIERE SILICONE & SEALANT RANGE

CLASS
EN15651-1,4; F EXT-INT-CC
PW-EXT-INT-CC-25HM

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; and 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.

Limitations

Do not use for aquarium construction. Do not use with bitumen or asphalt. Not suitable for joints with movement greater than 15%. Discolouration of white and grey shades may occur when exposed to UV.

Colour

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

Container Size

310ml metal cartridge and 600ml foil sausage in grey.

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 +25°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

Contains isocyanates.

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

Form	Thixotropic paste
Tack free time (at 25°C and 50% RH) 60	90 minutes
Thickness polymerised after 24 hours @ 23°C 50%RH	2-3mm
Application Temperature	+5°C to +35°C
Density	1.2 g/cm ³
On a polymerised joint	
Shore A Hardness 150 868 - 3 seconds	ca 40
Modulus @ 100% (ISO8339)	0.4 Mpa
Elongation At Break ISO 8339	>500%
Service Temperature Range	-30°C to +80°C
UFI	K780-W0XM-800F-JJ9N

Product / Order Details:

Code	Colour	Size	Barcode
BDPU18WH	White	310ml	5060021362162
BDPU18GR	Grey	310ml	5060021362414
BDPU18BL	Black	310ml	5060021362407
BDPU600GR	Grey	600ml	5056437401953



Part of the Bond It Premiere Silicone & Sealant Range



1292
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2538
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BOND IT

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EN15651-1,4:2012

F EXT-INT-CC 25HM
PW-EXT-INT-CC 25HM

Facade sealant for exterior and interior use. Sealant for walkways and pedestrian walkways for internal and external use.

Reaction to fire	E
Release of chemicals	None
Resistance to flow	≤ 3mm
Loss of volume	≤10%
Tensile properties after water immersion	Pass
Tensile properties after maintained extension	Pass
Tear Resistance	Pass
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;
ISO 45001



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