Rimlex® 620B

Technical Data Sheet

Rimlex® SEALANTS AND GASKETS

Rimlex® 620B is a soft single part, heat cure, polyurethane resin system. It has been specifically designed for use as a compression seal. Clamping the two components together compresses the sealant and therefore creates a seal.

Rimlex® 620B has excellent chemical resistance to most industrial and automotive oils, fuels, antifreeze and transmission fluids.

The material will function in temperatures up to 150°C*

- Prevents galvanic corrosion between dissimilar materials / Insulates
- Can be applied to virtually any headed fastener
- Forms a dry to touch coating
- Provide repeatable assembly properties
- Reduces noise and vibrations
- Fills gaps
- Good adhesion to ferrous / non-ferrous materials and many surface finishes
- No mess or waste as with line applied products
- Conform to complex paths
- Bespoke automated processing equipment enables consistent amount of material applied every time, ensuring robust joint integrity is achieved
- Pre-applied so seal presence is easily visually identifiable
- Replaces need for copper, aluminium & other expensive washers or manually applied seals
- Reduces number of inventory items required on production lines and offers component weight saving

APPROVED SPECIFICATIONS INCLUDE:

JLR STJLR.51.5392 Issue 5 A5 - XE
JLR STJLR.60.5020.X202
Perkins PMS.P.1.13
Ford WSS-M4G365-A-A2 (tested and approved)
Ford WSS-M21P27 – A5 (XE)
Rover RES 22FP05
Textron Fastening Systems P1248

PROPERTIES (CURED)

Colour	Blue
Hardness (Shore A)	50 (approximately)
Sealing pressure:	>150 bar
Shelf life on components	4 years at 30°C and 65% relative humidity
Re-usability	Dependent upon application
Temperature range	-50 to 100°C
Cure time	30 mins @ 160°C

INSTRUCTIONS FOR USE

Rimlex® 620B has been specifically designed for use as a pre-applied gasket type system for sealing rivets, threaded plugs and bolts.

The interface geometry of the mating surfaces is critical for the correct functioning of the Rimlex® system.
The mating hole should be burr free and chamfered to ensure material is not stripped or cut away during installation.
It is recommended that all torsional applications be specifically designed in conjunction with our engineering staff who can advise the correct geometry or form for successful sealing and re-use.

Rimlex® 620B has been successfully used for potting electronic circuit boards and as flange seals on rivets or torsional fasteners on metallic and engineering plastic products***

Notes
- for torsional applications an additional torque modifying topcoat is normally recommended.
Once applied and cured the material is not classed as hazardous* 100°C for continuous usage, 150°C possible for intermittent use subject to testing.
*** plastic parts must be able to withstand cure temperature of 160°C.
**** may turn a greenish colour after prolonged life due to pigments Re-usability is subject to application, specific face/joint design and compression stops may be required. The IMDS number for Rimlex 620B is 108508944/1.
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Anochrome Group

Inlex
Wood Lane, Fordhouses,
Wolverhampton WV10 8HN
+44 (0)1902 397300
anochrome.com

Inlex