



# Rimlex®

SEALANTS AND GASKETS

## Rimlex® 620B Technical data sheet

Rimlex® 620B is a soft single part, heat cure, polyurethane resin system. It has been specifically designed for use as a compression seal. It should be applied to one side of the mating components surface and allowed to cure prior to assembly. Clamping the two components together compresses the sealant and therefore effects a seal.

Rimlex® 620B has excellent chemical resistance to most 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 surfaces.
- No mess or waste as with line applied products.
- Conform to complex paths.

### Properties (uncured) |

Colour	Blue
Specific Gravity	1.05
Viscosity	22,000 cps
Shelf life	9 months**

### Properties (cured) |

Colour	Blue****
Hardness (ShoreA)	50 (approximately)
Sealing pressure:	> 150 bar
Shelf life on components	4 years at 30°C and 65% relative humidity
Re-usability:	Application dependent
Temperature range:	-40 to 100°C
Cure time	30mins @ 160°C

## Instructions for use

Stir well before use.

To ensure consistency of application of the Rimlex<sup>®</sup> 620B on components, it is best applied via automated dispensing ideally using a X/Y robot to give a known and consistent height.

Please call us to discuss application equipment as we can recommend suitable equipment from partner companies.

Rimlex<sup>®</sup> 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<sup>®</sup> 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<sup>®</sup> 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\*\*\*

## Handling and Safety Properties

Rimlex<sup>®</sup> 620B is classified

Risk phrases = H22 Vapours - Acute Toxicity  
H312 Acute Toxicity 4  
H314 - Danger -Corrosive to skin

Safety phrases = P305 - in case of contact with eyes rinse immediately with water and seek medical advice  
P302 - After contact with skin wash immediately with plenty of water  
P280 - Wear suitable protective clothing - face mask, gloves.

Once applied and cured the material is not classed as hazardous

### Notes

- for torsional applications an additional torque modifying topcoat is normally recommended.

\*100°C for continuous usage, 150°C possible for intermittent use subject to testing.

\*\*When stored in the original unopened container between 5<sup>o</sup>c and 25<sup>o</sup>c

\*\*\*plastic parts must be able to withstand cure temperature of 160<sup>o</sup>c

\*\*\*\*may turn a greenish colour after prolonged life due to pigments

Reusability is subject to application, specific face/joint design and compression stops may be required.

the IMDS number for Rimlex 620B is 108508944/1



Information presented in this data sheet is considered reliable, but conditions and methods of use, which are beyond our control, may modify results. Before these product are used, the user should confirm their suitability.

We cannot accept liability for any loss, injury or damage which may result from its use.

We do not warrant the accuracy or completeness of any such information whether orally or in writing.

We reserve the right at anytime and without notice to update or improve products and processes and our information concerning the same.

Rimlex is a registered trade mark of Inlex Locking Ltd



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