



# Rimlex®

SEALANTS AND GASKETS

## Rimlex® 600Y Technical data sheet

Rimlex® 600Y is a two part epoxy based 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® 600Y has excellent chemical resistance to most automotive oils, fuels, antifreeze and transmission fluids. it will function in temperatures up to 150<sup>o</sup>c\*

### Properties (uncured)

	Resin	Hardener
Viscosity	30,000 cps	30,000 cps
Shelf life	9 months**	9 months**
Specific Gravity	1.26	1.02
Colour	White	Lemon Yellow
Mix ratio	1 Part Resin to 1 Part Hardener (by volume)	

### Properties (cured)

Colour	Yellow
Hardness (Shore D)	50 (approximately)
Sealing pressure:	> 150 bar
Pot life	Approximately 45 minutes @22 <sup>o</sup> c
Cure Time	30 minutes @ 100 <sup>o</sup> c
Shear Strength	10 N/mm <sup>2</sup> (Mild Steel) 14N/mm <sup>2</sup> (Aluminium)
Shelf life on components	Indefinite, some colour change may be apparent
Re-usability:	Dependent upon application
Temperature range:	-40 to 150 <sup>o</sup> c

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## Instructions for use

Stir well before use to ensure consistency of application of the Rimlex<sup>®</sup> 600Y 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.

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> 600Y has been successfully used for potting electronic circuit boards and as an adhesive on metallic and engineering plastic products\*\*\*

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## Handling and Safety Properties

Rimlex<sup>®</sup> 600Y is classified as Xi, Irritant.

Part A,

Risk phrases = R36/38 & R51/53

Safety phrases = S24/25/26, & R36/37.

Part B,

Risk phrases = R38, R41&R43

Safety phrases = S24/25/26, & R37/39.

Once applied and cured the material is not classed as hazardous

Material can be supplied in 5 and 25kg pack sizes

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### Notes

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

\*120°C for continuous usage, 150°C possible for intermittent use subject to testing.

\*\*When stored in the original unopened container between 5°C and 25°C

\*\*\*plastic parts must be able to withstand cure temperature of 160°C

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



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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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