



Rimlex®

SEALANTS AND GASKETS

Rimlex® 310 Technical data sheet

Rimlex® 310 is a Room Temperature Vulcanising (RTV) silicone sealant which has been specifically developed for high temperature applications. Once applied the compound reacts with atmospheric moisture to form a tough and durable rubber seal. It has excellent adhesion to metals, glass, ceramics and plastics. The compound has large gap filling properties which makes it ideal for application to non-machined surfaces and even as cast surfaces.

Rimlex 310 is a general purpose adhesive sealant with many applications in building, engineering and the automotive industry. It has excellent adhesion without primer to metals, glass, ceramics and most rigid plastics. The cured compound is resistant to weathering, aging and to many solvents, oil, water and lubricants. Its excellent thermal stability means it can be used for sealing and bonding at temperatures up to 300°C and for gasketing up to 350°C depending on the application. It is ideal for use as a flexible gasket or flange sealant in automotive and general engineering applications.

Properties (uncured)

Colour	Brick red
Specific Gravity (DIN 53479)	1.28 g/ml
Consistency	Semi slump paste
Cross linking system	Acetoxy
Shelf life	9 months**
Extrusion rate 3mm orifice @ 60psi	78g/minute
Skin Forming time @23°C/50% RH	
Cure rate @25°C and 60% RH	3mm per 24 hours

Properties (cured)

Colour	Brick Red
Hardness (Shore A)	43 (approximately)
Sealing pressure:	> 150 bar
Shelf life on components	Indefinite,
Re-usability:	Dependent upon application
Temperature range:	-50 to 300°C (350°C gasketing, 460°C ignition temperature)
Shrinkage	3%
Elongation at break DIN 53504 S3A	420%
E modulus@ 100% elongation	0.6 N/mm ²

Instructions for use

To ensure consistency of application of the Rimlex[®] 310 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.

Surfaces should be clean, dry and free from contamination such as oil or grease. Once applied in Gasket applications, the joint should be assembled without delay.

Care should be taken when applying the compound to ensure any excess product will not foul any internal channels and cause blockages. Any excess uncured product extruded externally can be wiped away with a damp cloth.

When stripping assemblies sealed with Rimlex 310, carefully scrape away as much as of the cured product as possible. The remaining compound can be softened and removed using Silicone Sealant Remover.

Handling and Safety Properties

Rimlex[®] 310

Signal Word -Danger

Hazard Statement - H314 - Causes severe skin burns and eye damage.

Precautionary Statement

Prevention

P260 Do not breathe vapour.

P264 - Wash thoroughly after handling.

P280 - Wear protective gloves/protective clothing/eye protection/face protection

Response

P301 + P330 + P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 - Immediately call a POISON CENTRE or doctor/physician.

P303 + P361 + P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

Storage

P405 - Store locked up.

Disposal

P501 - Dispose of contents/container in accordance with local/regional/national/international regulations.

Once applied and cured the material is not classed as hazardous
Material can be supplied in 5 and 25kg pack sizes



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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