

LR 4871 corrosion inhibitive jointing compound

Description

LR 4871 is a one-part, silicone grease based, non-curing, corrosion inhibitive jointing compound which has some lubricating properties. It is intended for use as a gap filling (up to 50 microns) compound on non-rotating ferrous axles held in anodised aluminium assemblies. It is not intended for rotating assemblies which require conventional lubrication.

LR 4871 is paste-like in consistency, allowing for easy application by spatula or conventional grease/mastic gun. It has no swelling effect on rubber or plastics and a uniform consistency is maintained over the temperature range -50°C to +200°C.

LR 4871 is approved to the following specification: DTD900/4766

Performance properties (typical)

Solubility in water @ 25°C	None
Exposure to heat and humidity @ 40°C and 95% RH for 1000 hours	
Aluminium/Stainless steel - easy removal, no corrosion	
Graphite/Aluminium - easy removal, no corrosion	
High temperature flow, 0.5 mm, 24 hours @ 70°C	
Dry	No flow
3% NaCl-H ₂ O	No flow
Type III fuel immersion	No flow
Corrosion test by galvanic cell method, 14 days @ 25°C, 3% salt water solution	
Al/titanium couple - no signs of corrosion or compound deterioration	
Al/stainless steel couple - no signs of corrosion or compound deterioration	
Al/cadmium plated steel couple - no signs of corrosion or compound deterioration	

Note: The application and performance property values are typical for the material but are not intended for use in specifications or for acceptance inspection criteria because of variations in testing methods, conditions and configurations

Surface preparation

Immediately before applying LR 4871 to metallic, chemically treated, or painted substrates, the surfaces should be cleaned with solvents to remove contamination such as dirt, grease, and/or processing lubricants.

A progressive cleaning procedure should be employed using the appropriate solvents and new lint-free cloth (reclaimed solvents or tissue paper should not be used). Always pour the solvent on to the cloth to avoid contaminating the solvent supply. Wash one small area at a time. It is important that the surface is dried with a second clean cloth prior to the solvent evaporating to prevent the redeposition of contaminants on to the substrate.

Storage life

The storage life of LR 4871 is 30 months when stored at temperatures between 5°C and 35°C in the original unopened containers.

Health precautions

This product is safe to use and apply when recommended precautions are observed. Before using this product read and understand the Material Safety Data Sheet which provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. An MSDS is available on request. Avoid over exposure. Obtain medical care in case of extreme exposure.

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All recommendations, statements, and technical data contained herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty, either expressed or implied. User shall rely on his own information and tests to determine suitability of the product for the intended use and assumes all risks and liability resulting from his use of the product. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. Neither seller nor manufacturer shall be liable to the buyer or any third person for any injury, loss, or damage directly or indirectly resulting from use of, or inability to use, the product. Recommendations or statements other than those contained in a written agreement signed by an officer of the manufacturer shall not be binding upon the manufacturer or seller.