

JC5A Corrosion Inhibitive Jointing Compound

Description

JC5A is a one-part, non-curing, corrosion inhibitive compound. It can be applied to removable fasteners and assemblies to prevent the ingress of moisture and to provide protection from galvanic corrosion.

JC5A is paste-like in consistency, allowing for easy application by brush, roller or spatula. It will remain permanently fluid and is resistant to aviation fuels (jet fuel and aviation gasoline) over a wide temperature range.

Application properties (typical)

Colour	Yellow
Viscosity, Pa.s (poise)	75 (750)
Squeeze test, mm	180
VOC content (g/l)	270
Specific gravity	1.49
Pigment contents, % by weight	43
Fineness of grind	5 (min)
Flash point	23°C

(Pensky Martin Closed Cup)

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

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

Exposure to dry heat @ 100°C for 1000 hours

Easy removal - compound still tacky

High temperature flow, 0.5mm, 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.



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Surface preparation

Immediately before applying JC5A 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 re-deposition of contaminants on to the substrate.

Storage life

The storage life of JC5A is 12 months from date of manufacture when stored at temperatures between 5°C and 25°C in the original unopened containers.

Health precautions

JC5A is safe to use and apply when recommended precautions are observed. Before using this product read and understand the Safety Data Sheet that provides information on health, physical and environmental hazards, handling precautions and first aid recommendations. A SDS is available on request. Avoid over exposure. Obtain medical care in case of extreme exposure.

All recommendations, statements and technical data contained herein are based on tests we reasonably believe to be reliable and correct, but the accuracy and completeness of such tests are not guaranteed and are not to be construed as a warranty, either express or implied. The User shall rely on its own information and tests to determine the suitability of any product for its intended use and the User agrees to assume all risks and liability arising in relation to its use of such product (other than death or injury resulting from our negligence) and accordingly we shall not assume any such risks or liability unless we specifically agree to the contrary in writing. If we specifically agree to assume any such risks or liability then (except for death or personal injury resulting from our negligence) our sole responsibility if any product supplied to the User by us is defective shall be to replace that portion of such product which is defective. Recommendations or statements other than those specifically agreed in writing by us shall not be legally binding on us.



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