

PR-1005-CH corrosion inhibitive coating

Description

PR-1005-CH is a one-part synthetic rubber solution for use over a temperature range of -75°C to 120°C, ready for use as packed. The compound contains soluble chromate which acts as a corrosion inhibitor. It has been developed for use as a corrosion inhibiting protective coating for natural and synthetic rubbers where outstanding adhesion, general inertness and excellent resistance to all types of fuel are required.

PR-1005-CH is a thin liquid, allowing for application by brush, fill and drain, or dipping. The compound cures at room temperature by the evaporation of solvent to form a smooth, tough, flexible, transparent film.

The following test have been run in accordance with MIL-S-4383, where applicable.

Application properties (typical)

Colour	Yellow
Viscosity, Pa-s (poise) (Brookfield # 1 @ 10 rpm)	2.0 (20)
Non-volatile content, % by weight	30

Performance properties (typical)

Specific gravity	0.86
Peel adhesion, N/25mm (piw)	66 (15)
Shear adhesion, N/mm ² (psi)	3 (450)

Note: The application and performance property values above 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 PR-1005-CH 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 second clean cloth prior to the solvent evaporating to prevent the redeposition of contaminants on to the substrate.

Substrate composition can vary greatly. This can affect sealant adhesion. It is recommended that adhesion characteristics to a specific substrate be determined prior to application on production parts or assemblies.

For information on specific substrate treatment please refer to the Surface Treatment leaflet which is available on request.

Storage life

The storage life of PR-1005-CH is 12 months when stored at temperatures between 5°C and 25°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.

See information concerning recommendations and disclaimer of warranties on reverse.

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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.