

PR-186, adhesion promoter

Description

PR-186 is designed to prepare metallic or painted substrates before application of sealants such as PR-1828. This material is highly recommended for applications between polythioether materials and manganese/dichromate cured polysulfide sealant.

PR-186 is a one-part adhesion promoter that is easy to apply. PR-186 contains an adhesion promoter in a blended solvent.

Application properties (typical)

Colour	Clear
Dry time, min 50% RH, 23°C (73.4°F)	30

Performance properties (typical)

Specific gravity	0.9
Vapour pressure, at 20°C, mmHg	8
Flash point, °C (°F)	35 (95)

Note: The application and performance property values above are typical for the material, but 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 sealant to primed substrates, the surfaces should be cleaned with solvents. Contaminants such as dirt, grease, and/or processing lubricants must be removed prior to sealant application. A progressive cleaning procedure should be employed using appropriate solvents and a new lint-free cloth. (Reclaimed solvents or tissue paper should not be used).

Always pour solvent on 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 the substrate. After the surface has been cleaned, apply PR-186 Adhesion Promoter with a clean brush or a gauze pad. Care must be taken to obtain a

uniform thin coat. At standard temperature, allow the adhesion promoter to dry for 30 minutes. It is not recommended to apply adhesion promoter below 7°C (45°F). The sealant must be applied within 4 hours of the application of the adhesion promoter. If this time is exceeded, the surface should be re-cleaned and the adhesion promoter re-applied. Do not use the adhesion promoter if it contains particles or precipitate.

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 a more thorough discussion of proper surface preparation, please consult the SAE Aerospace Information Report AIR 4069. This document is available through SAE, 400 Commonwealth Avenue, Warrendale, PA 15096-0001.

Storage life

The storage life of PR-186 is 12 months when stored in original, unopened containers at temperatures between 4-27°C (39-81°F). During storage, slight variations in the application characteristics may occur. This does not affect either the overall application properties or the final performance properties of the product.

Health precautions

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

For industrial use only. Keep away from children.

For emergency medical information call:
1-800-228-5635.

Additional information can be found at:
www.ppgaerospace.com

For sales and ordering information call:
1-800-AEROMIX (2376649).

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.

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