PRECISION FLUIDS

Technical Data Sheet

Solutions Through Innovative Technology

PRO-TEK 3700
RUST PREVENTATIVE

Description

Pro-Tek 3700 is a waterborne corrosion preventive coating. The cured film is hard and flexible. Pro-Tek 3700 provides an effective barrier against corrosive environments for ferrous and non-ferrous fabrications and industrial components.

Health & Safety

See the most recent MSDS which is available directly from Precision Fluids, your local salesman, or authorized distributor. Precision Fluids uses only raw materials not listed as carcinogenic by IRAC.

Physical Data

Flash, PMCC*, Minimum	136ºF
Density, Weight/Gallon @ 77ºF (25ºC)	8.4 ± 0.2 lbs./gallon
Specific Gravity @ 60ºF (15.6ºC)	1.01
Recommended Dry Film Thickness over Metal Profile	1.5 - 2.0 mils
Theoretical Coverage @ Avg. Recommended DFT	256.6 sq. ft./gallon
Non-Volatile % by Weight	27 ± 2
Non-Volatile % by Volume	24 ± 2
Volatile Organic Content (VOC)	2.8 lbs./gallon
Dry to Touch Time @ 77ºF (25ºC)	15 - 30 minutes
Cure Time	24 hours

Mechanical Properties @ Recommended DFT

Mandrell Bend (180°)	Excellent
Pencil Hardness	3H
Gloss (60/20)	92/56

Accelerated Corrosion Tests:
(2x4x1/8 in. Cold Rolled Steel)

5% Salt Spray (Hours) **ASTM** B-117 @ Recommended DFT:**	300
100% Relative Humidity (Hours) **ASTM D-1748 @ Recommended DFT:**	500
Weathering Hours **ASTM G-23 @ Recommended DFT:**	500

*PMCC (Penske Martin Closed Cup)
**ASTM (American Society for Testing and Materials)

Removal:

The dry film is not normally intended for removal. The product can be stenciled over after the film is cured. A citrus or alkaline cleaner will remove fresh residue accumulated on application equipment. If removability is a factor, contact Precision Fluids and samples should be evaluated prior to application.

Storage:

Store Pro-Tek 3700 at temperatures between 50-95°F (10-35°C). Mild agitation is recommended prior to use.

Caution:

Adequate ventilation is required for cure and to ensure against formation of a combustible liquid. THE PARTIALLY CURED FILM SHOULD NOT BE EXPOSED TO IGNITION SOURCES SUCH AS FLARES, FLAMES, SPARKS, EXCESSIVE HEAT, OR TORCHES. Refer to Precision Fluids Material Safety Data Sheet for additional handling and first aid information.

Surface Preparation:

The maximum performance of Pro-Tek 3700 can be achieved only when the metal surfaces to be protected are clean, dry and free of rust, oil and mill scale. Precision Fluids recommends that the metal substrate temperature be 50-95°F (10-35°C) at the time of product application.

Application:

Pro-Tek 3700 is formulated to be used as supplied. Ensure uniform consistency prior to use. Continued stirring is generally not required. If the product thickens due to cold storage or loss of water and coalescing solvent during use, contact Precision Fluids. DO NOT THIN Pro-Tek 3700. Incorrect thinning will affect film build, dry time and product performance. Precision Fluids recommends that the ambient and product temperature be 50 - 95ºF (10 - 35ºC) at time of application. Pro-Tek 3700 can be airless spray or dip applied. DO NOT FREEZE Pro-Tek 3700.

Note:

The addition of any product over or under this coating is not recommended. The use of additional coatings could result in chemical incompatibility, thus adversely affecting the performance of this coating as stated in the lab data section. If a product other than Precision Fluids recommended product is required, written authorization must be obtained from Precision Fluids.

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