



TECHNICAL BULLETIN

R18-41A

Peelable Protective Coating

Description

R18-41A is a water-based, air or forced dry, hand peelable, U.V. resistant, temporary protective coating. When applied to most non-porous surfaces (glass, fiberglass, gel coat, aluminum, and stainless steel) the coating provides protection from abuse. **Do not use R18-41A on acrylic surfaces due to high adhesion.**

R18-41A minimizes surface damage during shipment, installation, and subsequent construction or rehab work. Paint, plaster, sealants, and abrasives are kept away from the protected surface. Just prior to final inspection, the coating is easily peeled from the surface. In addition to forming an extremely tough film, R18-41A exhibits relatively quick dry times and good water resistance when fully cured.

Product Characteristics (as shipped)

Appearance	Viscous light blue Liquid
Coverage (ft²/mil of dry film/gal.)	786
Weight (Lbs./Gal.)	8.9 ± 0.2
Coating VOC (EPA Method 24)	0 G/L
Storage Life (in closed container)	6 months at recommended temperatures
Minimum Film Forming Temperature	50°F.
Recommended Dry Film Thickness	4 to 8 mils

Product Packaging –

R18-41A is supplied ready to use in 5 gallon pails and 55 gallon drums.

Storage –

Store at temperatures above 50°F. and below 110°F.

Cure Cycle –

Air cure time will vary depending on wet film thickness and atmospheric conditions (temperature, air velocity, and relative humidity). Dry times may be decreased by optimizing these conditions. Consult your product representative for further information.

Product Precautions

WARNING! DO NOT ALLOW PRODUCT TO FREEZE! KEEP OUT OF REACH OF CHILDREN. Use with adequate ventilation. **DO NOT TAKE INTERNALLY.** Avoid prolonged contact with skin. While spraying, wear a suitable respirator with an ammonia cartridge to prevent inhalation of overspray and vapors. Keep containers closed when not in use. **CONSULT MATERIAL SAFETY DATA SHEET FOR HANDLING AND SAFETY INFORMATION.**

- DO NOT allow the product to freeze. Frozen liquid material cannot be rejuvenated and will not function properly.
- DO NOT apply the product to surfaces other than those specifically noted prior to thoroughly testing.
- DO NOT apply the coating too thin. This will result in a weak discontinuous film, which will be difficult to remove and offer no protection.
- DO NOT apply the coating when it will be exposed to rain, moisture or freezing temperatures before it can fully cure.
- DO NOT attempt to peel the coatings at extreme temperatures. They will peel easily at normal room temperature.
- DO NOT apply the coating over small, intricate or delicate parts. These areas should be masked with plastic film or tape as the coating may be difficult to remove.
- DO NOT attempt to use this product as a waterproofing coating. With time water will be absorbed into and pass through the coating. Standing water may eventually lift the coating off the surface of the part. Not recommended for open truck transport.



Product Use Instructions

General –

The following directions and recommendations are intended to serve as a guide and may require modification to meet local conditions.

Mixing –

None required.

Thinning –

Use as received. Do not thin.

Surface Preparation -

The intended substrate must be clean and dry to accept the protective coating properly. Loose debris, dust, or other contamination may degrade product effectiveness and peelability.

Airless Spray Application

Airless spray equipment capable of generating a fluid pressure of 2000-2500#. Select a tip size suitable for your application and equipment capabilities. Adjust the fluid pressure to achieve proper atomization and spray pattern.

Air Spray Application

Conventional air spray equipment can be used to apply this product. A larger fluid nozzle and/or more air pressure may be required to apply by air spray.

Brush Application

Brush on as heavy a coat as possible moving in one direction and allow to dry. A second coat may be required. Apply the second coat perpendicular to the first to obtain a strong, uniform film.

Dry film build required in mils.	4	5	6	7	8	9	10	12
Wet mils to apply.	8	10	12	14	16	18	20	24
ft² feet of coverage/gallon	200	160	133	114	100	89	80	67

NOTE: CONSULT MATERIAL SAFETY DATA SHEET FOR HANDLING AND SAFETY INFORMATION.

Warranty

The following warranty is made in lieu of all other warranties, either expressed or implied. This product is manufactured of selected raw materials by skilled technicians. Neither seller nor manufacturer has any knowledge or control concerning the purchaser's use of this product and no warranty is made as to the results of any use. The only obligation of either seller or manufacturer shall be to replace any quantity of this product, which is proved to be defective. Any claim of defective product must be received in writing within one (1) year from date of shipment. Neither seller nor manufacturer assumes any liability for injury, loss, or damage resulting from use of this product.

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