

RepCoat UV – Elastomeric Waterproof Protective Coating

DESCRIPTION:

RepCoat UV forms a weatherproof barrier against nature's harsh extremes. Concrete and steel structures expand and contract in response to the weather and structural stresses. Unlike typical exterior coatings, **RepCoat UV** fills and bridges hairline cracks and voids, helping to prevent damaging water penetration. RepCoat UV surpasses Federal Specification TT-C-555B, sec. 3.3.3, withstanding 98 mph wind-driven rain. This premium quality coating provides UV and inclement weather protection as well as aesthetic benefits while adding dirt pick up resistant technology. Its unique breathable watertight membrane is perfect for all surfaces.

FEATURES:

- 100% Acrylic Polymer
- Apply as Low as 35°F (1.67°C)
- Bridges Hairline Cracks
- Mold, Mildew, & Algae Resistant
- Excellent tensile & elongation
- Extreme Flexibility – Won't Crack or Peel
- Self-Priming & UV Resistant
- Soap & Water Clean-up
- Superior Adhesion on Any Surface
- Superior Alkaline Resistance
- Withstands Wind-Driven Rain

USES:

- Waterproofing exterior vertical surfaces
- Concrete, masonry, stucco, EIFS
- Silos, water tanks, bridges, infrastructure

COLOR:

White, Tan, and Dove Grey
Available in most any color and texture for design versatility upon request.

COVERAGE GUIDE:

Elastomeric Wall Coating:

Apply **RepCoat UV** at the rate of 1.0 gallons per 100 sq. ft. (8 wet mils) or 2.0 gallons per 100 sf. (16 mils) If desired. Physical properties are the same for both thicknesses. Surface texture and wind will affect applied mil thickness.

Application Properties:

Yield (1 gal to 100 sq. ft.) 8.0 dry mils
Dry Time (75° F) 90 mins @ 50% humidity
Recoat window > 6 hrs.
Complete Cure 30 days

CFRP Applications

Smooth Surface: 130 sqft gallon or ¼ gallon per 100 sqft (0.31 liter/sqm)

Rough: 90 sqft/gallon or 1¼ gallon per 100 sqft (0.51 liter/sqm)

16 mil (406 microns) wet, 8 mil (203 microns) dry

SURFACE PREPARATION:

Apply coating to clean, sound surfaces. Large cracks, crumbling areas or water damage may need professional repair.

General: Surfaces to be coated should be dry, free of dust, dirt, oil, peeling coating and other foreign matter. For optimal results power wash all surfaces with a minimum of 2000 psi using a wide fan tip. All necessary precautions should be taken to avoid damage to the substrate. Mildew should be treated with a bleach solution (1 part bleach, 2 parts water) and rinsed thoroughly. Patch and repair cracks or holes with appropriate **TuffTex** mortars, sealants or caulking materials.

Masonry: Allow fresh masonry to cure a minimum of 30 days, prime with **RepPrime CS**.

Metal: Rusty metal must be cleaned with a wire brush, treated with **Rust Rehab** or primed with **RepPrime M**.

Please refer to the **TuffTex Coatings Preparation Guide** for complete details and Primer Choices.

- (On CFRP) **RepCoat UV** should be applied when tack free or within 48 hours of final application of **RepWrap Bond Saturant**.

MIXING:

Prior to use, mix at slow speed with drill and mixing paddle to ensure uniform color and aggregate disbursement (if used) and to minimize air entrapment. In multi-pail applications, mix the contents of each new pail into the partially used previous pail to ensure color consistency and smooth transitions from pail to pail.

APPLICATION:

Roller: Roller is the preferred method of application. For best results, use a quality 1-1-1/4" (2.54-3.19 cm) nap synthetic roller cover. Always roll with a fully loaded wet roller (never dry roll). Do not stretch this coating. Be sure all low spots and gaps are covered. It is normal for painted surfaces to show roller marks.

Air Sprayer: Use 2 gallons/minute per 100 sq. ft. (16 mils). Adjust pressures to suit your needs. Always follow spray application by back-rolling with a wet applicator. This will ensure that the coating is worked into the surface.

Brush: Brush on is not recommended. Use brush only for small touchups. Paint only when surface and air temperatures are between 35– 90°F (2–32 °C). Apply this product heavily to achieve best weatherproofing characteristics.

CURING/DRYING TIME:

Dry time is 90 minutes to touch, 6 Hours to recoat at 77°F (25°C) @ 50% relative humidity on smooth surfaces.

CLEAN UP:

Clean all tools and equipment immediately with soap & water or **TuffTex Materials RepClean**.

PACKAGING:

1 gallon (3.78 liters) can – 4 per carton
5 gallon (18.9 liters) pail
55 gallon (208 liters) drum
Shipping Class- **Class 55**

STORAGE:

The material should be stored between 40-95°F (4-35°C) in a cool, dry area away from direct sunlight.

SHELF LIFE:

Shelf life of properly stored, unopened containers is 24 months (2 years).

LIMITATIONS:

Surface must be clean and dry. Application is not recommended on roofs with slopes less than 1/8 in 12 or where ponded water is present. Do not apply over wet substrates or when inclement weather is imminent. Complete cure of **RepCoat UV** requires complete evaporation of water. Cool temperatures and high humidity retard cure. In addition, this product is not recommended for use without a vapor barrier in cryogenic tank or cold storage roofing applications. It is not intended for use as a thermal barrier. Do not freeze. Keep container closed when not in use. Do not transfer contents to other containers for storage or disposal. In case of spillage, absorb with inert material such as sand or kitty litter. Dispose of contaminated absorbent, container and/or unused contents in accordance with local, state, and federal regulations.

READ SDS PRIOR TO USING PRODUCT.

KEEP OUT OF REACH OF CHILDREN.

WARRANTY:

Due to the use of this product beyond our control, we assume no liability for damages of any kind, and the user accepts the product "as is" and without warranties, expressed or implied, from either **TuffTex Materials, Inc.** or its agents. The suitability of the product for an intended use shall be solely up to the user. Our only obligation shall be to replace or pay for any material proved defective, with our liability limited to the purchase price of materials supplied by us.

DISCLAIMER:

The information and recommendations set forth in this Product Data Sheet are based upon tests conducted by or on behalf of TuffTex Materials. Such information and recommendations set forth herein are subject to change and pertain to the product offered at the time of publication. Contact your local **TuffTex Distributor** or technical representative for additional technical data and instructions.

TYPICAL PROPERTIES:	
Vehicle Type	Acrylic Polycarbonate Resin
Sheen	0-6 Units @ 60° angle
Solids by Volume	52%
Solids by Weight	65%
Weight per Gallon	11.8 lbs
VOC	Less than 50 g/l
Viscosity	130-140 Krebs Units
Dry to Touch	90 Minutes
Recoat	6 Hours
Tensile Strength	250 psi (1.94 MPa)
Elongation	450 %
Flashpoint	None
Tear Resistance	96 psi
½" Mandrel, 1000 hrs Weathering Test	
Flexibility, Method A (ASTM D522)	Pass
Low Temp Flexibility (ASTM D1737 @ 32°F)	Pass