



LRB (Liquid Rubber Base): Product Information Data Sheet Single Component Polyurethane Elastomeric

Product Description:

LRB is a single component, high solids, water inducted, low V.O.C. environmentally safe, liquid applied, hybrid polyurethane protective membrane.

LRB is a low odor & solvent free waterproofing membrane that can be used either indoors or outdoors. LRB will bond permanently to properly prepare concrete, wood, aluminum, steel, and some plastics, as well as most all other standard building materials.

LRB will not blister, crack, peel, or delaminate from exposure to extremes of ambient heat or cold as low as -45°F. It will withstand extreme Hydrostatic Pressure.

RECOMMENDED USES:

- Crack repair and filling
- Lifetime Roof Membrane
- Expansion joints
- Tank coating & Repair
- Floors
- Parking Decks
- Adhering Tile
- Waterproofing
- Protective Coating
- Secondary Containment
- Radon Mitigation
- Swimming Pools
- Boats and Marine Applications
- Sea Walls

PACKAGING:

- Quarts
- Gallons Pails
- 5 Gallon Pails
- 53 Gallon Drums
- 250 Gallon Totes

TECHNICAL DATA:

- 3200 psi tensile strength
- 600% elongation
- Volume solids-91%
- Will Cure At Any Thickness – In 1 Application
- Coverage varies upon thickness
- Non-flammable, non-combustible / solvent free
- Viscosity ± 600 cpois
- Package Life – 2 Years
- Temperature Range -60° to 250°F
- Cure Time (77°F @ 50% RH)
- Pot life 4-30 min.
- Cure Solid – 4 Hours
- Colder Temperatures will slow curing

THICKENING ADDITIVE:

T.A.V. (Thickening Activator) Is mixed with LRB to adjust its viscosity from a thin liquid to a caulk grade consistency or any consistency in between. For patching joints, cracks, seams, holes, profiling, etc.

ADVANTAGES:

- Will cure at any thickness in 1 application
- Will force cure tack free 4 min. (in a form)
- Will cure overnight at 15°F
- Highly abrasive resistant
- Resistant to most oils, solvents, caustics & acids
- Can be brushed, rolled, squeegee, or sprayed
- High solids, high spread rate
- May be subjected to rain, snow, or extreme cold without affecting it's curing
- LRB may be subjected to extreme cold during shipping, handling & storage without ill effects
- Bonds to itself, new-to-old, with proper surface preparation
- Completely Water-Proof not "Water Resistant"
- Not water based or water soluble

STEEL – ALUMINUM DIRECT IMMERSION:

LRB (Liquid Rubber Base) has the unique ability to be applied directly upon existing rust and utilizes this roughened surface as a permanent mechanical bond as well as completely forming a non-permeable membrane which halts all existing oxidation or "smothers existing rust" as well as prevents future corrosion. LRB will protect ferrous metals such as steel and cast iron from corrosion under extreme conditions such as perpetual immersion in salt brine and sea water. New, bare steel requires a blast profile for mechanical bond only. There is no need to blast to bright metal to remove all rust as with other coatings.

TECHNICAL SERVICES:

SANI-TRED representatives are available to assist you in selecting an appropriate product, to provide application instructions or safety precautions. For further assistance call our technology service department at 1-866-784-3308. Refer to SDS for safety precautions.

TYPICAL PHYSICAL PROPERTIES @ 77°F (25°C), 50% RH

Hardness	ASTM-2240	Shore A 65 ± 5
Shelf Life		12 Months
Flash Point		None
Abrasion Resistance	ASTM D-421	No Effect
Tear Resistance	ASTM-624 Die C	302pli
Tensile Strength	ASTM D-412	3200psi
Adhesive Strength	ASTM D-903	175pli
Negative Hydrostatic Vacuum	ASTM C-1244	5 min @ 12" (when combined w/ 1/6" application LRB/TAV mixture reinforcement)
Negative Hydrostatic Air Pressure	ASTM C-1244	5 min @ 10" (when combined w/ 1/6" application LRB/TAV mixture reinforcement)
VOC	ASTM D	.7 lbs/gallon

LRB/TAV 2:1 RATIO

Sulfuric Acid 20% Solution 112 Day Immersion	Texture Softened, weight loss 1.2%, less than target maximum weight differential of 1.5%
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SPECIFICATIONS:

GENERAL SURFACE PREPARATION: Surface must be clean, dry, free of any previous applied products, and foreign matter.

ALUMINUM: Follow general surface preparation; for best results aluminum should be sandblasted. Prime first with Permaflex.

GALVANIZED STEEL (UNTREATED): Follow general surface preparation; for best results galvanized steel should be sandblasted. Prime first with Permaflex.

FIBERGLASS: Follow general surface preparation; For best results, fiberglass should be sand blasted. With small applications coarse sand paper can be used. Prime first with Permaflex.

STEEL OR IRON: Follow general surface preparation. Rust does not need be removed to "shiny metal". Only loose flaking rust needs removed either by pressure washing, lightly sand-blasting, etc., Prime first with Permaflex.

PVC, CPVC/Plastics: Follow general surface preparation; plastics should be first primed using "2-part Primer".

WOOD: Follow general surface preparation. Prime first with Permaflex.

POURED CONCRETE: Follow general surface preparation. Concrete can be "artificially cured" and immediate application or a minimum 28 day cure at 75°F. Concrete floors should be acid etched, sand blasted, captive ball blasted, etc in order to remove latencies from the surface of the concrete. Prime first with Permaflex.

PREVIOUSLY PAINTED SURFACES: Follow general surface preparation. Our "Off The Wall Coating Remover" can be used to strip previous applied paints, coatings, adhesives, etc using a 3,500 psi pressure washer with a zero orbital tip. Off The Wall Coating Remover is cost effective and a less labor intensive alternative to sandblasting, captive ball blasting, mechanical scarification, etc.