



Skinpro

Two-Component 100% Solids Polyurea

TECHNICAL DATA SHEET

PRODUCT DESCRIPTION

Skinpro is an extremely tough, 100% solids, super-polymer formulations which stands up to high heat and provides excellent chemical resistance. Skinpro provides excellent bonding performance, low surface friction, toughness and abrasion resistance. This unique super-polymer is designed to be applied as a fast-set spray with gel time of approximately 5-10 seconds. Skinpro is available with flame retardants upon request. Skinpro is a naturally caramel colored translucent coating which can be color tinted to produce translucent or opaque colors. This aromatic super-polymer is not UV stable and must be top coated with an aliphatic UV stable coating.

SKINPRO PHYSICAL PROPERTIES

| | | |
|-----------------------------|------------|-------------------|
| Hardness | ASTM D785 | 70-75 D |
| Tensile Strength | ASTM D412 | 4200 psi |
| Elongation | ASTM D412 | 350% |
| Water Absorption (24 hr.) | ASTM D570 | 0.25% |
| Moisture Vapor Transmission | ASTM E96 | 0.24 perms |
| Taber Abrasion CS17 | ASTM D4060 | <50 mg/1k cycle |
| Tear Strength | ASTM D624 | 675 lbs./lin. in. |
| Gel Time | Time | 5-10 sec. |
| Mix Ratio | PBV | 1A – 1B |

ADHESION RESULTS

| Typical Substrates per ASTM D-4541 Elcometer | | |
|--|-----------|-------------------------------------|
| Concrete* | >300 psi | Cohesive failure; excellent bonding |
| Steel* | >1000 psi | Excellent bonding |
| Composite Lamination* | >1000 psi | Saturated; excellent bonding |

*All substrates primed with Lone Magnolia Technology™ Primer 28

HEALTH AND SAFETY

Read the Safety Data Sheet (SDS) and container labels for detailed health and safety information. This product is intended for industrial use by properly trained professional applicators only.

APPLICATION

Skinpro is a 100% solids mixture with no VOC's. Application temperature ranges from 40°F - 100°F. Functional operation temperature ranges from -40° to 250°F. Skinpro can be applied using a standard 2-component, high pressure spray machine. Substrate surfaces must be clean, dry and free of contaminants and dust. Substrates must be free of loose rust, paint, moisture, dirt oils, etc. If application surface exhibits extensive corrosion, spalling and/or weak deteriorating substrate, normal forms of media or shot blasting is recommended to create a secure surface preparation. For conditions which may only require liquid washing and cleaning with detergents, acids, bio-enzymes, etc. or conditions involving processes of scrubbing, rinsing and drying, the finish surface must not retain any residual cleaner unless specified by Lone Magnolia Technology™, Inc. Concrete must be fully cured and should be prepared with shot blasting, diamond grinding or machine sanding depending on the severity of the concrete surface condition. Similar proper preparation must be performed for metal surfaces. Primers are recommended for proper preparation. Always power clean using mild detergent prior to sanding, etc. Spray coverage at 16 mils is 100 sq. ft./ mixed gallon.

WARRANTY

THE INFORMATION HEREIN IS BELIEVED TO BE RELIABLE, BUT UNKNOWN RISKS MAY BE PRESENT. LONE MAGNOLIA TECHNOLOGY™ WARRANTS ONLY THAT THE MATERIALS SHALL BE OF MERCHANTABLE QUALITY. THIS WARRANTY IS IN LIEU OF ALL OTHER WRITTEN OR UNWRITTEN, EXPRESSED OR IMPLIED WARRANTIES. LONE MAGNOLIA TECHNOLOGY™ EXPRESSLY DISCLAIMS ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR FREEDOM FROM PATENT INFRINGEMENT. ACCORDINGLY, BUYER ASSUMES ALL RISKS WHATSOEVER AS TO THE USE OF THESE MATERIALS. BUYER'S EXCLUSIVE REMEDY AS TO ANY BREACH OF WARRANTY OR NEGLIGENCE CLAIM SHALL BE LIMITED TO THE PURCHASE PRICE OF THE MATERIALS. FAILURE TO STRICTLY ADHERE TO RECOMMENDED PROCEDURES SHALL RELIEVE LONE MAGNOLIA TECHNOLOGY™ OF ALL LIABILITY WITH RESPECT TO THE MATERIALS OR THE USE THEREOF.



LONE MAGNOLIA TECHNOLOGY™
 Enviromental Protection Products

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Skinpro

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CHEMICAL RESISTANCE CHART

72 Hour Immersion Test ASTM D3912

| Chemical Name | Results @ 25°C |
|--------------------------------|----------------|
| Acetic Acid | R |
| Acetone | NR |
| Ammonium Hydroxide (14%) | R |
| Brake Fluid | R |
| Brine-Saturated Water (310g/l) | R |
| Clorox (10%) Water | R |
| Diesel Fuel | R |
| Gasoline | R |
| Gasoline 5% MTBE | R |
| Gasoline 5% Methanol | R |
| Hydrochloric Acid (25%) | R |
| Hydrochloric Acid (10%) | R |
| Hydraulic Fluid | R |
| Isopropyl Alcohol | R |
| Lactic Acid | R |
| MEK | R |
| Methanol | R |
| Methylene Chloride | C |
| Mineral Spirits | R |
| Motor Oil | R |
| MTBE | C |
| Muriatic Acid (10%) | R |
| NaCl Water (10%) | R |
| Nitric Acid (20%) | RC |
| Phosphoric Acid (10%) | R |
| Phosphoric Acid (50%) | R |
| Potassium Hydroxide (10%) | R |
| Potassium Hydroxide (20%) | R. Dis |
| Skydrol | R |
| Sodium Hydroxide (25%) | R. Dis |
| Sodium Hypochlorite (10%) | R |
| Sodium Bicarbonate | R |
| Stearic Acid | R |
| Sugar Water | R |
| Sulfuric Acid (10%) | R |
| Sulfuric Acid (30%) | R |
| Toluene | RC |
| Trisodium Phosphate | R |
| Vinegar Water (5%) | R |
| Water | R |
| Water (14 days @ 82°C) | R |
| Xylene | RC |

72 Hour Spot Test Chemical Resistance Data

Skinpro

| Chemical | Rating |
|------------------------------------|--------|
| HCL 37.5% | 9 |
| NaOH 50% | 8 |
| H ₂ SO ₄ 50% | 8 |
| HI 57% | 8 |
| H ₃ PO ₄ 50% | 8 |
| Brake Fluid | 10 |
| Anti-Freeze | 10 |
| Motor Oil | 10 |

Rating Guidelines

| | |
|-----|---|
| 0-1 | 75-100% Film Dissolved |
| 1-2 | 50-75% Film Dissolved |
| 2-3 | 25-50% Film Dissolved |
| 3-4 | 1-25% Film Dissolved |
| 4-5 | Film damage severe, cracking, pinholes |
| 5-6 | Film moderate to heavy damage, swollen, dulled |
| 6-7 | Film moderately damaged, haze, residue |
| 7-8 | Film with slight or no damage, slight haze, residue |
| 8-9 | Film in very good condition |
| 10 | Film unchanged, excellent condition |

CHART KEY

R – Recommended (little or no visible damage)
 RC – Recommended Condition (swelling or discoloration)
 C- Conditional (cracking – wash down within 1 hour)
 NR – Not Recommended
 Dis. – Discoloration