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Protective Coatings by [Ultimate Linings, LTD](#)

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Coatings

An Industrial Coatings is a paint or coating defined by its Protective Coatings, epoxy coatings, rather than its aesthetic properties, although it can provide both. The most common use of industrial coatings is for corrosion control of steel or concrete. Other functions include intumescent coatings for fire resistance. The most common polymers used in industrial coatings are polyurethane, epoxy and moisture cure urethane.

Ultimate Linings is a fast setting, rapid curing, aromatic, two components, hybrid polyurea/polyurethane spray designed to be applied over EPS, wood and many other surfaces. Its excellent balance of stiffness and impact resistance provides excellent plastic "shell-like" protection for delicate foams and EPS. Its chemical design allows fast "user-friendly" application with excellent flow and appearance.

SURFACE PREPARATION

In general, coating performance and adhesion are directly proportional to surface preparation. Most failures in the performance of surface coatings can be attributed to poor surface preparation. Polyurea coatings rely on the structural strength of the substrate to which they are applied. All surfaces must be free of dust, dirt, oil, grease, rust, corrosion and other contaminants. When coating substrates previously used, it is important to consider the possibility of substrate absorption, which may affect the adhesion of the coating system, regardless of the surface preparation. It recognizes the potential for unique substrates from one project to another.

FEATURES TYPICAL

- *Plastic "Shell-Like" Protection
- *Low Shrinkage
- *100% Solids
- *Zero VOC
- *Meets USDA Criteria / Fast Cure
- *Excellent Thermal Stability / High Productivity
- *Excellent Chemical Protection
- *Excellent Cold Temperature Impact Resistance

USES

Decorations / Props, Speaker Boxes

Architectural Shapes, Dock Flotation™s,

Steel Coating, Wood Pallets / Crates

Food Processing Plants, Wood Cabinets

Industrial product formulations offer solutions for abrasion resistance, water proof coatings, blast resistance, hazardous materials containment energy, ballistic armor, chemical resistance, energy efficient insulation, structural reinforcement, corrosion resistance, fire retardant and thermal barrier coatings.

Aluminum:

Aluminum should be blasted with aluminum oxide or sand, and not with steel or metal grit. Excessive blasting may result in a warped or deformed surface. After blasting, wash aluminum with a commercially available aluminum cleaner. Allow to dry, then prime.

Brass and Copper:

Brass and copper should be blasted with sand, and not with steel or metal grit. Remove all dust and grease prior to applying primer.

Galvanized Surfaces:

Clean and degrease any contaminated surfaces before priming. Do not blast galvanized surfaces with an abrasive grit. An adhesion test is recommended prior to starting the project.

Fiberglass Reinforced Plastic:

The gel coat should be lightly blasted or sanded with 80 grit sandpaper and cleaned.

Plastic Foams:

Enhanced adhesion is obtained when the foam is mechanically abraded. When coating polystyrene, do not use a solvent-based primer.

Textiles, Canvas, Fabrics:

Adhesion to most fabrics, geothermal membranes and textiles does not require a primer.

Stainless Steel:

Stainless steel may be grit blasted and degreased before priming. Some stainless steel alloys are so inert that it is not possible to achieve a satisfactory bond. An adhesion test is recommended prior to starting the project.

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