



OMNI MOISTURE CURED URETHANE

THE MOST COMPLETE ALL IN ONE SYSTEM TO PROTECT EPOXY FLOORS

Benefits:

- ❖ Single component, One-part Polyurethane
- ❖ Moisture Cured
- ❖ 100% UV stable – Non - yellowing
- ❖ Non Fading, Non chalking
- ❖ Chemical / Corrosion Resistant
- ❖ Adhesive / Binder
- ❖ Flexible / Impact Resistant
- ❖ Anti-Microbial
- ❖ Restores and Enhances Color
When using Omni Clear (Non-Colored) over competitor's coatings
- ❖ Anti-Corrosive protection
- ❖ Clear Medium Gloss finish
- ❖ Low VOC 218 G/L & VOHAP Free
- ❖ Penetrating Hydrophobic waterproofing sealer
- ❖ Fast Cure & Re-Coat Times
- ❖ Can be applied in 99% Humidity
- ❖ Mold & Mildew Resistant
- ❖ Available in Custom Colors, see <http://www.rustproofcoatings.com/>

Applications include; Iron, Steel, Metals, Concrete, Wood, Gunite, plaster, For exterior Applications only or well Ventilated Areas.

Covalently cross-linked molecular bonds provide a protective coating that encapsulates the material while greatly increasing tensile, compression, flexural torsional, and impact strengths and insuring chemical resistance and flexibility.

Omni is a single component, moisture cured Urethane designed and engineered to form a non-yellowing, highly adhesive, flexible, and chemically resistant covering and encapsulant when applied to various materials, particularly those applications where non-yellowing, high traffic, moisture and chemical resistance may be required.

Breakthrough Coatings
70 East Falmouth Highway, suite 7
East Falmouth, MA 0253

Phone: 866-608-7625
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www.breakthroughcoatings.com



Omni MCU proprietary molecular structure and formulation has produced a covering totally unaffected by Ultra violet rays. It will not fade or yellow with the passage of time, as is in the case with so-called "UV resistant" coverings, and will prevent underlying substrates from fading with Omni clear coat.

OMNI When Applied to Virgin Metals:

Omni will eliminate atmospheric humidity or oxygen from rain water (H₂O), from the break up of Hydrogen Atoms that attack Metals by exchanging Electrons eventually forming Iron Oxide "RUST". Given sufficient time any Iron mass will convert entirely to rust disintegrating the Alloy. If Chloride Ions are present, as in the case with salt water or salt spray, the corrosion is likely to occur more quickly.

OMNI When Applied to Porous Structures Concrete, Wood, Gunite, Pool and Plaster:

Omni MCU penetrates deep into porous surfaces forming a barrier against insects and fungi, while providing a shield against Ultraviolet Radiation and harsh chemicals.

When MCU is exposed to moisture in the air, they use a few Molecules of water to crosslink the polymer chains together, forming a network. Creating a protective waterproof barrier for the substrate aiding in chemical and corrosion resistance.

Because Omni is a one-part Urethane, it can be used directly out of the can without any measuring or mixing. It cures to a hard, flexible, medium gloss, slip-resistant and extremely durable and long lasting encapsulant and finish.

Moisture Cured Urethane is a "reactive" coating. A reactive coating is one that requires a catalyst, something in which to begin the chemical reaction of the coating which causes it to begin curing. A moisture cured Urethane begins curing with exposure to moisture or humidity and unlike two component reactive

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Urethanes (Part A&B that is mixed together); a moisture cured Urethane is not affected as much by temperature as it is humidity. This is the opposite of two component reactive Urethanes, and most coatings.

Moisture Cured Polyurethanes work differently than water base polyurethanes in that they work in means of chemical and mechanical bond rather than a just a mechanical bond. They chemically “attach” themselves to the substrate as well as “grabbing” on the substrate. Water base urethanes only “grab” onto the substrate. The same principle is why moisture cured Urethane are strongest on the market and makes the best adhesives.

Omni is a single component, moisture cured, polyurethane with high solids and low VOC with adhesive/binder properties. Omni is a durable, flexible, high traffic commercial heavy duty polyurethane coating for industrial use. Omni has excellent resistance to alkaline, dilute acids, solvents, other chemicals, jet fuel, oil, grease, etc. As well as excellent UV stability. This Urethane coating can be applied by brush, roller or sprayed. Applications has superior gloss retention. Custom Colors Available.

Get the Omni MCU Advantage today!

Quick Tips:

- Apply over well prepared, dry, clean, dust free surfaces.
- Do not apply in direct sunlight or hot surfaces
- Ideal application temperatures 34⁰ Fahrenheit to 70⁰ Fahrenheit.

- always apply two applications:
First application is the primer
Second application is the Finish.
- Wait until surface is completely dry before re-applying second application.

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- Clean up: Use Acetone, Paint Thinner, M.E.K (Methyl Ethyl Ketone)
- Shake can well before use or use low speed Squirrel mixer.

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