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MANUFACTURERS OF HIGH PERFORMANCE
EPOXY & POLYURETHANE FLOORING SYSTEMS

POLY BOND - 364

**Plastic Coating For Ships, Steel Structures,
Wood, and Concrete Surfaces**

DESCRIPTION

Poly Bond-364 is a 100% Solid Epoxy System which is primarily used as a bonding compound for Concrete, Steel, Wood, and dissimilar materials. A modified Epoxy-amine system having unique properties featuring moisture Insensitive, Gel Consistency, Low modulus and Low temperature Curing starting at 30° F and up. This unique plastic coating is excellent for marine environment.

USES

- ❖ Concrete and wood repairs and patching.
- ❖ Leveling low spots in the concrete and patching cracks and seams for the wood structures.
- ❖ Excellent coving material.
- ❖ Adhesive for Tiles, mosaics and other materials.

PROPERTIES

| | | |
|----------------------------------|-----------------------|---|
| Pot Life @ 75° F | ASHTO-T-237 | 15-20 Minutes |
| Curing Temperature Limits | | Over 30° F. |
| Initial Set Time @ 75° F | | 3 – 4 hours |
| Mixing Ratio by Volume | | 2 Parts Base : 1 Part Hardener |
| Application | | Trowel, Roll |
| Viscosity @ 75° F cps – 2393 | | Gel |
| Tensile Strength | ASTD-638 PSI MIN. | 3800 |
| Tensile Elongation | ASTMD-638, % | 15-20 |
| Tensile Strength | ASTMC-307 PSI, Mortar | 2500 |
| Compressive Strength | ASTMD-695 PSI MIN | 7000-8000 |
| Compressive Strength Mortar | ASTMD-695 PSI MIN | 8000-9000 |
| Flexural Strength | ASTMD-580 PSI | 4000 |
| Hardness Shore D | ASTMD-2240 | 75 |
| Bond Strength | ASTMD-882 | 100% Concrete Failure |
| Indentation | MIL-D-3134f | No Indentation |
| Flammability | ASTMD-633 | Self Extinguishing by this test As determined with a backing of Concrete. |
| Water Absorption | ASTMC-413, % | 0.08 |
| Thermal Coefficient of Expansion | ASTMD-696 | $25 * 10^{-5}$ in/in/ °F |
| Coverage @ 1/8" Thick | | 12.6 sq.ft./gallon |
| Colors | | Olive Drab, Gray and others. |

Surface Preparation

CONCRETE:

Concrete should be free from oil, grease, and loose paint. Concrete should be sealed, blast tracked or scarified.

STEEL:

Sand blasted to white metal with a profile. Conventional grinding with carbide is acceptable.

WOOD:

Scrape or wire brush to remove all paint and debris. Sand the surface with medium or coarse weight sanding paper (Silicon Carbide or Aluminum). Brush off all wood dust.

Plastic or Polyester Resin Gel Coat:

Scrape off all paint and debris. Sand with sandpaper. Brush off dust.

MIXING:

After mixing, immediately Poly Bond-364 can be applied on steel, wood or concrete. It can be applied from featheredge to all the way to one-inch thickness without any sag. For big holes repair one part of sand to one part mixed epoxy can be mixed together and then spread with trowel. It is excellent for overhead and Vertical Patching.