



## **Morricite HB Polyurethane**

### **DESCRIPTION**

Morricite HB Polyurethane 1000 is a unique, aliphatic, Solventless, two component polyurethane enamel. It provides hard films with good flexibility, high build, zero VOC Systems with toughness, high modulus and good exterior durability.

### **ADVANTAGES**

- Mixes easily – 1 (one) Part A and 1 (one) Part B
- Resistant to UV degradation
- Resistant to chemical attack
- High Build
- Zero VOC
- Resistant to Mechanical Wear
- Durable and long Lasting

### **SURFACE PREPARATION**

The substrate must be clean (free of dirt, dust, paint, oil, rust and other contaminates), sound and durable. New concrete must be fully cured (28 days minimum) and all laitance and curing compounds removed. Suitable preparation methods include grit blasting and scarification. The recommended minimum pull-off strength of the prepared substrate is 200psi.

### **TYPICAL PHYSICAL PROPERTIES**

@ 75°F (23°C)

|   |                              |
|---|------------------------------|
| Mix Ratio A:B                           | 1:1 by Volume                |
| Color                                   | Clear or Pigmented           |
| Wet mil thickness per Coat              | 4-5 mils                     |
| Dry to touch, hours                     | 8-10                         |
| To recoat, hours                        | 24                           |
| Full cure, days                         | 7                            |
| Hardness (Shore D), ASTMD 2440          | 65-70                        |
| Abrasion Resistance, ASTMD 4060         | 50-mg Loss                   |
| CS17 Wheel, 1000 Cycles                 |                              |
| Adhesion, ASTM D3359                    | Pass                         |
| VOC, lbs/gal (calc.) g/l                | 0                            |
| Coverages                               | 300-400 ft <sup>2</sup> /gal |
| Chemical Resistance, ASTM D 1308 @ 75°F |                              |
| 16 hours Spot Test                      |                              |

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|                                |      |
|--------------------------------|------|
| Motor Oil                      | Pass |
| Power steering fluid           | Pass |
| Transmission fluid             | Pass |
| Brake fluid                    | Pass |
| Immersion Test                 |      |
| Skydrol (200 hours)            | Pass |
| Gasoline (87 Octane), 30 hours | Pass |

## APPLICATION

### DO NOT PREMIX PART B HARDENER

- Premix 1000 A (resin) using a low speed drill and Jiffy blade. Mix for one minute and until uniform, exercising caution not to introduce air into the material.
- Add 1 part 1000 A (resin) to 1 part 1000 B (hardener) by volume. Mix with low speed drill and Jiffy blade for three minutes and until uniform. To insure proper system cure and performance, strictly follow mix ratio recommendations.
- Apply 1000 using a ¼" nap roller at a spread rate of 300-400 square feet per gallon, evenly, with no puddles making sure of uniform coverage. **Take care not to puddle materials and insure even coverage.** If a second coat is required, the surface must be abraded with 80-120 grit paper or screen and tack wiped prior to second application.
- Allow to cure 24 hours minimum before opening to traffic. In cool and/or high humidity conditions, a surface film may form which can be washed with soap and water.

## CLEAN UP

Clean up mixing and application equipment immediately after use. Use toluene or xylene. Observe all fire and health precautions when handling or storing solvents.

## SAFETY

For industrial and professional use **ONLY**.

For detailed safety guidelines, please refer to the product Safety Data Sheet (SDS).

## WARRANTY INFORMATION

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