



Morricite WB Polyurethane Gloss

DESCRIPTION

Morricite WB 1040 is a two component aliphatic polyurethane Gloss floor coating and Sealer system. It has a unique characteristic, environmental friendly with properties and performance similar to those two component solvent borne polyurethane system with the ease of application associated with water-based systems.

ADVANTAGES

- Water-based
- Gloss finish
- Ultra Low Voc Levels (<10g/L)
- UV stable
- Great penetration and bond strength
- Good abrasion, impact and wear resistant
- Good chemical resistance
- Resists common acids, fuel grease, salt and skydrol

TYPICAL USES

- Clear sealer over Terrazzo and Concrete
- Showroom floors
- Retail store floors
- Pharmaceutical facilities
- Air craft hangars
- Commercial and industrial flooring top coat

TYPICAL PHYSICAL PROPERTIES

Mix Ratio A:B	2 to 1 by volume
Pot Life:	2 ½ hours approx.
Spreading Rate per Coat:	
Wet mils thickness	4.0 to 6 mils
Dry to touch	5-6 hours approx. @23°C/50%RH
Initial Cure	24 hrs. Minimum
Find Cure	7 days
VOC lbs/gal (g/L)	
(EPA method 24):	<10 g/l
Finish (60°Gloss)	85-90
Pencil Hardness	
ASTM D 3363	4H
Taber abrasion, mg loss	
CS-17 wheel, 1,000 cycles	45 mg Loss
ASTM D 4060	

SURFACE PREPARATION

The substrate must be clean (free of dirt, dust, paint, oil, rust and other contaminants), 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.

APPLICATION

DO NOT ALLOW TO FREEZE

Install Morricite 1040 at a substrate temperature of 50°F (10°C) to 85°F (30°C). Mix two parts A and one part B (2:1) by volume with a slow speed drill and Jiffy blade for three minutes and until uniform. Apply 1040 with ¼" nap roller. Use small chip brushes along the perimeter and in other difficult to reach areas. Morricite 1040 can be dry to the touch in 5 to 6 hours after application depending on ambient temperature, slab temperature and humidity. Allow 24 hours minimum for wheeled traffic and water exposure.

NOTE: 1040 tacks quickly, you must maintain a wet edge to avoid the potential for roller lines, if you see lines during application cross roll to eliminate.

1040 cure(s) to a very hard, glass-like film, recoating after cure is difficult. If a second coat is required or planned the second coat 2-4 hrs after installation of the first coat. On a floor this will require spiked shoes, the film will still be tacky and care will need to be taken to roll out any cleat marks. If the first coat has cures overnight it will require sanding and the application of an epoxy primer, contact Technical Services.

COVERAGE

Concrete surfaces 4-6 mils. 250-400 ft²/gallon.
Coverage will vary depending on substrate profile and porosity.

CLEANUP

Use Xylene or MEK. Do not use alcohol.

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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