

MC-1C Clear

Endura MC-1C Clear is a single-component moisture-cure clear coat designed for interior applications on hardwood floors in gymnasiums and bowling alleys, and concrete floors in warehouses and public buildings.

Product Features

- ◆ Excellent protection against acids and alkalis
- ◆ A durable, self-prime coating for wood floors

Theoretical Solids Content:

Volume: 35%

Shelf Life*

Single Component: (1) year

*For unopened product.

Pot Life of Mixed Product:

8-10 Hours* @ 77°F (25°C) and 50% RH

*Less if Endura Super Catalyst II is used.



Suitability

Endura MC-1C Clear is a tough, durable, moisture-cure polyurethane that will resist marring, chipping, and household stains. It is ideally suited for a floor finish, both hardwood and concrete. It is extremely durable and abrasion resistant. Also used over properly stained wood surfaces: furniture, paneling and trim.

MC-1C Clear is designed for interior use only.



Surface Preparation

All surfaces must be dry and free of dirt, grease, oil, wax, etc... MC-1C Clear is not recommended over any solvent-sensitive surfaces like lacquer or oil stains.

Wood: Sand with 150 - 200 grit sandpaper and remove dust with a vacuum cleaner.

Concrete: New concrete must cure for a minimum of 30 days. Etch concrete floor with muriatic acid solution. Rinse thoroughly with water and allow to dry completely. Concrete floor may also be mechanically abraded with steel shot or sandblasted. Several coats of MC-1C Clear may be needed to fill the anchor profile of mechanically abraded floors.



Mixing Ratio

Single component coating.

Environmental Conditions

To prevent condensation during application the surface temperature must be 3°C (5°F) or more above the dew point at all times.

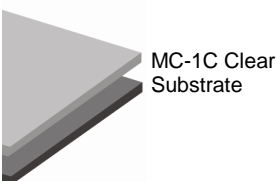
*for use outside this range please contact your Endura representative.

Application Method

Three coats are recommended. Reduction is achieved using Endura EX-2C Thinner or Slo Thinner. Thin the first coat 25 - 30%. Apply an even wet-coat using either a pure bristle brush, sheep wool applicator, or mohair roller.

If applying by roller, ensure roller sleeves have a phenolic core and a low-nap pile. Roller application will create bubbles that may be brushed over or redone with a sheepskin applicator. Brush parallel to the grain of the floor. Allow the first coat to dry for 6 - 12 hours. Scuff sand lightly, vacuum, and apply additional coats thinned 10 - 15%.

If MC-1C Clear is allowed to dry longer than 12 hours, scuff sanding with 240 - 320 grit sandpaper is required before application of additional coats.



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Recommended Film Build Thickness and Cover Rate

Endura MC-1C Clear has a recommended film thickness of 3.0 - 5.0 mils (75 - 125 microns) dry.

Theoretical coverage at 1.0 mil (25 microns) DFT: 560 ft² per gallon @ 100% transfer efficiency.



Drying Time*

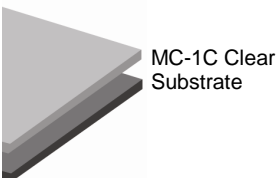
	20°C (68°F)	30°C (86°F)	40°C (104°F)
Dust free	2 Hours	1 hour	30 minutes
Full Cure	7-9 Days	5-6 Days	3-4 Days

Note: At lower temperatures, even below freezing, MC-1C Clear will cure at satisfactory rates.

* Subject to ambient conditions (temperature and humidity) film build and good airflow. For improved scheduling please contact your Endura representative.

Specifications

Hardness	ASTM D3363	4H
Solvent resistance	ASTM D4752	100 MEK rubs; NO failure
Abrasion resistance (1000 cycles CS-17)	ASTM D4060	25 mg loss
Impact resistance	ASTM D2794	40 in. lbs; NO failure
Flexibility	ASTM D522	1/8" mandrel bend; NO failure
VOC	For VOC amounts please refer to the product MSDS	



Clean Up

Endura high strength gun wash, Endura epoxy reducer or Endura EX-2C thinner.