

TECHNICAL SHEET

ECONOBLOC POLY

VOC COMPLIANT POLYURETHANE



DESCRIPTION:

MC Crystal ECONOBLOC POLY is a good quality, VOC Compliant (at/or below 350 g/l), oil-modified polyurethane developed specifically for the hardwood flooring industry. MC Crystal ECONOBLOC POLY provides a tough, high build gloss finish with good flow and leveling.

PRODUCT	MC CRYSTAL ECONOBLOC POLY
SIZE	18.9 L
CODE	88100
CASE/PACK	1

FEATURES:

- Provides a scratch resistant coating
- Good chemical resistance
- Superb leveling & flow out characteristics
- Protects against routine cleaning, perspiration, water, oils, soda, alcohol
- Light amber color enhances natural color of wood
- Resists scuffing & rubber marks
- Will adhere to most solvent-based finishes.

RECOMMENDED USE:

- Commercial Floors
- All types of Residential Floors
- Areas with high abrasion & wear

DO NOT USE WITH SANDING SEALER. THE ADHESION WOULD BE REDUCED.

RECOMMENDED APPLICATORS:

- 10 mm roller
- Lamb wool skin

RECOMMENDED SYSTEM:

- Designed to be used with ECONOBLOC SEAL.
Apply 1 coat of ECONOBLOC SEAL and 2 coats of ECONOBLOC POLY.
- Auto-seal system: Apply 3 coats of ECONOBLOC POLY.

APPLICATION CONDITIONS:

- Temperature between 15-35°C (59-95°F)
- 50-75% relative humidity

PREPARATION:

1. Properly prepare surface according to approved methods. Screen using No.100 disc for final cut.
2. Remove all dust with a broom and/or vacuum and tack surface with a clean cloth moistened with mineral spirits.

SEALER APPLICATION:

1. Apply one coat of MC Crystal ECONOBLOC SEAL with a lambs wool applicator at a coverage rate of 125 sq ft per litre.
2. Allow to dry at least 2 hours.
3. Screen using No.100 disc.
4. Tack with a clean cloth moistened with mineral spirits to remove all dust.

FINISH APPLICATION:

1. Apply first coat of MC Crystal ECONOBLOC POLY with a lambs wool applicator at a coverage rate of 125 sq ft per litre.
2. Allow to dry at least 12 hours.
3. Screen with No.220 disc screen.
4. Tack with a clean cloth moistened with mineral spirits to remove all dust.
5. Apply a second coat of MC Crystal ECONOBLOC POLY in the same manner as the first.

MAINTENANCE:

Sweep or dry dust mop floors daily. Stubborn rubber marks and stains may be removed using hardwood floor cleaner according to label directions.

PRODUCT PROPERTIES:

DRY TIME & CURE	Dry to touch in 4-6 hours, screen 6-8 hours. Allow to dry overnight for light traffic; 48 hours for heavy traffic. Note: Drying time will be increased by high humidity, low temperature, lack of air movement or applying too heavily. Cures in 28 days.
COVERAGE	Approximately 100-125 square feet per litre.
CLEAN UP	Clean application tools with mineral spirits immediately after use.
SOLVENT	Non-photo chemically reactive.

PHYSICAL PROPERTIES:

SOLIDS CONTENT	45%
VOLATILE CONTENT	55%
RESISTANCE TO SKINNING	No Skinning
COLOR	No. 6 Gardner
VOC	350 Max
PACKAGE STABILITY	No Sediment, No Darkening
GLOSS @60°	90

DRY TIME	Dry to touch in about 4-6 hours, screen 6-8 hours
Dry Hard	In about 8-10 hours
No Tack	After 24 Hours
ABRASION RESISTANCE	
Sand Test	> 130
Heel Test	Excellent
James Machine	< 1%
COEFFICIENT	0.6
FLEXIBILITY	FLEXIBILITY Passes 1/8" Mandrel Bend

DANGER:

CAUTION: COMBUSTIBLE MIXTURE. KEEP OUT OF REACH OF CHILDREN.

Contains mineral spirits. Harmful or fatal if swallowed. Do not take internally. Skin irritant. Avoid contact with skin and eyes. Wear rubber gloves and safety glasses when handling. Avoid inhalation and use only with adequate ventilation. If adequate ventilation cannot be maintained, wear respiratory protection (NIOSH/MSHA TC23C or equivalent) or leave the area. Do not use or store near heat, sparks, flame or other sources of ignition. Close container after each use.

FIRST AID:

If swallowed, do not induce vomiting, CALL PHYSICIAN IMMEDIATELY. For skin contact, wash thoroughly with soap and water. In case of eye contact, IMMEDIATELY flush eyes thoroughly with water, then remove any contact lenses. Continue to flush eyes with water for at least 15 minutes. If irritation persists, get medical attention. If affected by inhalation, remove to fresh air and CALL PHYSICIAN.