



POLYMERICA

INCORPORATED

POLYMERICA PRODUCT DATA

MasterShield PAC Polyaspartic Coating

PRODUCT PRESENTATION

MasterShield PAC (polyaspartic coating) is a two component, aliphatic polyurea designed to impart chemical resistance, UV stability and water insensitivity.

MasterShield PAC is typically applied from 4-10 mils per application.

- Self priming
- Two hour gel time to optimize leveling and wetting properties
- Two component, water clear polyaspartic aliphatic polyurea coating
- UV stable non-ambering interior or exterior
- Applied from 4 to 10 mils per application
- Squeegee and roller application
- Recoat in as little as 30 minutes allows rapid project completion
- Excellent chemical and abrasion resistance
- 100% solids low to no odor
- Primer not normally required
- Excellent finish for vinyl chip and quartz

FEATURES

- Fast cure time, tack free in 30 minutes
- Easy installation
- Self priming
- Chemical resistant
- No voc's
- UV stable

USES

MasterShield PAC is intended for use where light stability and chemical resistance is required.

Excellent for top coating over decorative flooring systems, such as quartz and flake flooring.

LIMITATIONS

- Preferred application temperature between 40° F to 80° F
- Substrate must be clean and free of contaminants.
- Mechanical abuse and housekeeping influence service life.
- Epoxy primer may be required over certain surfaces
- Applications over damp surfaces may speed cure time

ESTIMATING & APPLICATION GUIDELINES

- Concrete surface must be structurally sound and prepared with all contaminants removed
- Mix ratio: 1 part A to 1 part B with a drill mixer for approximately 1 minute
- Coverage: 160-250 sq. ft. per gallon per application
- Requirements of 1000 sq. ft.: 3-5 gallons (depending upon surface profile)
- Recoat: 1 hour
- Working time approximately 10 minutes depending on temperature
- Extended recoat time may require light sanding

APPLICATION

Preparation: Concrete must be structurally sound, free of laitance, contaminants, textured by either shot blasting or grinding.

Mix equal parts of a & b for two minutes with a jiffy blade and distribute with a squeegee and back roll with a 3/8" roller cover.

Recoat after 24 hours may require light sanding, vacuum dust, and tack rag before applying additional coats.

PERFORMANCE CHARACTERISTICS

Tensile Strength ASTM D 4212.....	2920 psi
Elongation ASTM D 412.....	75%
Tear Strength ASTM 2240.....	375 pl
Hardness ASTM D 2240.....	65 shore d
Taber Abrasion ASTM D 4060 CS 17.....	40, 1kg per 1000
Bond Strength ASTM 4541.....	300 psi, concrete failure
Viscosity.....	100 cps, mixed approximately

CHEMICAL RESISTANCE

Acetic - 100%	L	Acetone	L
Ammonium Hydroxide	R	Diesel Fuel	R
Gasoline	R	Hydrochloric Acid	R
Hydrofluoric	NR	Hydraulic Fluid	R
Methanol	R	Motor Oil	R
Skydrol	L	Sulfuric Acid	R
Toluene	R	Vinegar	R

- R - Recommended for continuous service.
L - Limited recommendation, occasional spills.
NR - Not recommended

This chart is intended as an aid in evaluating the performance of this product in various chemical exposures at 75° F. The data is intended as a guide only. In severe or combination exposures, a sample should be tested under actual or simulated use conditions.

CARE & MAINTENANCE

MasterShield PAC must be protected from traffic, chemicals and abuse during the cure process. Newly installed floors should be cured 24 hours prior to cleaning procedures. Good housekeeping practices will extend the life of the floor and prolong the service level. PAC is not self cleaning and a regularly scheduled maintenance program is recommended.

- Remove spills immediately
- Use a suitable degreaser to remove

SAFETY

MATERIAL SAFETY DATA SHEETS ARE AVAILABLE AND SHOULD BE REVIEWED PRIOR TO USE. USE IS LIMITED TO INDUSTRIAL AND PROFESSIONAL PERSONNEL ONLY. KEEP AWAY FROM CHILDREN.

WARRANTY

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