



TECHNICAL DATA SHEET
PremARC® Ready to Use Water-Based Maintenance Coating Urethane Binder

Description

PremARC® Ready to Use Water-Based Maintenance Coating Urethane Binder is a UV-stable, water-based polyurethane coating designed for sealing porous EPDM/SBR based rubber mats (PIP). This product is designed for producing coatings where a combination of abrasion resistance, chemical resistance, stain resistance and flexibility are required. As with any product, the use of PremARC® Ready to Use Water-Based Maintenance Coating Urethane Binder must be tested by the user in advance to a large scale application (laboratory and field testing are strongly recommended) to determine the suitability of the product for the specific application.

Applications

Coverage/Usage

PremARC® Ready to Use Water-Based Maintenance Coating is a product that can be applied by paint roller, squeegee or hand trowel. Consumption rates are dependent upon application, mat porosity and desired properties. Open times and dry times are dependent upon ambient conditions and the applied consumption rate. Curing takes place by liquid evaporation. High humidity and temperature will increase the dry time. Low temperatures and low humidity will decrease the dry time.

UV Stability

Laboratory and field testing are strongly recommended

STORAGE

Binder must be protected against humidity and stored above 50°F. The ideal storage temperature is in the range of 59-77°F. Higher storage temperatures over a longer period of time can shorten the shelf life. At ideal storage conditions, the material can be stored for six months in the original unopened packaging. Opened drums or totes should be used quickly.

Precaution

Prior to application, the user *must* read and become familiar with the risks and hazards associated with the use of this product. Adherence to and observation of proper safety techniques cannot be overemphasized.

Please read the SDS carefully before use.

Properties

Density:	ASTM D891	Lbs/gal	8.76
Viscosity:	ASTM D4889	mPa-s/cP	~11,000
Open Time	*68°F and 50% relative humidity		~ 5-10 minuets
Dry Time (touch)	*determined by single coat 3/8" nap at 68°F and 50% relative humidity		~120 Minuets
Consumption	*Stated consumption is relevant for Hand Troweled 1- 4 mm EPDM/SBR rubber mats *Second coat is generally ~ 50% of first coat but dependent upon conditions & application method		~0.12-0.16 lbs/ft ²
Recommended time to foot traffic			24 hours
System type	Aliphatic Waterborne Polyurethane Dispersion		
Appearance:	Opaque		
Cure Type:	Liquid Evaporation		
Solids by Weight:	43%		

Handling

Wear proper protective equipment at all times. Avoid contact with skin and eyes. In the event of eye contact, flush eyes thoroughly with water and seek medical attention. Consult SDS before handling and observe all recommended safety and handling practices. Pressure can build up in new and previously opened containers, open all containers carefully. Protect open containers from moisture. Dispose of contaminated materials and empty containers in accordance with Federal, State, and Local regulations.

Customer Notice

ARC encourages its customers to review their application of ARC products from the standpoint of human health and environmental quality. To help ensure that ARC products are not used in ways for which they were not intended or tested, ARC personnel will assist customers in dealing with ecological and products safety.

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