



**TECHNICAL DATA SHEET**  
**PremARC™ Aliphatic 80 Urethane Binder**

**Description**

PremARC™ Aliphatic 80 is a single component solvent free, aliphatic moisture cured polyurethane pre polymer designed for use with rubber granulates. It is specifically designed for application on playgrounds and other sport surfacing using appropriate recycled rubber, EPDM and TPV granules.

**Applications**

**Coverage/Usage**

PremARC™ Aliphatic 80 can be applied with specially designed paving machines or hand trowels in order to maintain a uniform, level surface. The cure time varies with temperature and humidity. High temperatures and high humidity will decrease cure times while low temperatures and low humidity will increase it.

**UV Stability**

Laboratory and field testing are strongly recommended

**STORAGE**

Keep material sealed until ready for use to prevent atmospheric moisture from contaminating material. Store material at temperatures between 50-80°F (10-26°C) in a dry well ventilated area. Material has a minimum shelf life of 12 months after the date of manufacture, if stored properly.

**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. For any additional information, please consult your American Recycling Center, Inc. sales representative.

*please read the SDS carefully before use.*

**PROPERTIES**

	<b>Imperial</b>	<b>Metric</b>
Solids (by Volume)	100%	100%
VOC (supplied)	0 lbs./gal	0 g/L
Density @ 25°C	9.1 lbs./gal	1.09 g/cm <sup>3</sup>
Flash Point	370°F (Pensky Martens)	187°C
Viscosity	~ 3,400 cps (74°F)	~ 3,400 cps (23°F)

**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. Your ARC sales representative can arrange the proper contacts.

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**NOTICE:** The information and data contained herein do not constitute sales specifications. The product properties may be changed without notice. No liability, warranty or guarantee of product performance is created by this document. It is the Buyer's responsibility to determine whether ARC products are appropriate for Buyer's use and to ensure that Buyer's workplace and disposal practices are in compliance with applicable laws and regulations. No freedom from any patents owned by ARC or other industrial or intellectual property rights is granted or to be inferred.

