

## TECHNICAL DATA SHEET

### PremARC™ MR1136 Urethane Binder

#### Description

PremARC™ MR 1136 is a single component MDI pre polymer with superior performance properties designed for use with rubber granulate. It is specifically designed for application on playgrounds and other sport surfacing using appropriate recycled rubber, EPDM and TPV granules in at least 50°F(10°C) weather conditions

#### Application

##### **Recommended Process Conditions**

Surface and ambient temperatures must be at least 50°F(10°C) and rising. Do not apply over wet or damp surface. Do not mix or apply when rain is imminent or falling. Substrate must be free of dust, oil, and grease. Applications over concrete and asphalt require use of a primer. Ambient temperature and relative humidity are critical to product reaction. Consult with American Recycling Center, Inc. whenever conditions of very high or low temperatures and/or very high or low relative humidity are present or anticipated.

#### STORAGE

Store in a cool, dry place, indoors and avoid unnecessary opening of containers. Store between temps of 59-70°F (15-21°C) for up to 9-12 months. Partly used containers should be resealed immediately and re-used as quickly as possible.

#### 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.*

#### Typical Properties

	Units	Values	Test Method
NCO content	%	9.5	ASTM D 5155
Viscosity, 25°C	Cps	4,500	ASTM D 4889
Specific Gravity, 25°C		1.08	ASTM D 891
Elongation at break	%	80	ASTM D 412 A
Tensile <sup>(1)</sup>	psi	72	ASTM D 412 A
Open time	Minutes	30	ASTM D 412 A

#### 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.



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