



## TECHNICAL DATA SHEET PremARC™ 35+ Urethane Binder

### Description

PremARC™ 35+ urethane binder is a single component, moisture curing, solvent free, low viscosity prepolymer based on MDI. This product has an advantage of having higher reactivity profile. It is specifically designed for application of playground and other sports surfacing using appropriate recycled rubber and EPDM granules in 35-45°F(2-8°C) weather conditions.

### Application

#### **COVERAGE/USAGE**

Surface and ambient temperatures must be at least 45 °F (8°C). 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.

#### **UV Stability**

As with any urethane based on aromatic isocyanates, this product is not UV stable and may show discoloration after exposure to direct sunlight. This effect is magnified when using urethanes of vibrant color's or when used in tandem with rubber granules of lighter or more vibrant shades. Mechanical properties are not impacted. (laboratory and field testing are strongly recommended)

### STORAGE

Binder must be protected against humidity and stored above 60 °F(16°C). The ideal storage temperature is in the range of 60-77 °F (16 - 25°C). 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 & pails 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. For any additional information, please consult your American Recycling Center, Inc. sales representative.

*Please read the SDS carefully before use.*

### Typical Properties

|                      |      |       |            |
|----------------------|------|-------|------------|
| Appearance           |      | Amber |            |
| NCO Content          | %    | 10.0  | ASTM D5155 |
| Viscosity, 25°C/77°F | Cps. | 3500  | ASTM D4889 |
| Flash Point °C       |      |       | DIN51758   |
| Elongation           | %    | 275   | ASTM D412A |
| Tensile              | psi  | 2900  | ASTM D412A |

\*these are typical values and should not be construed as specifications

### 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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