



TECHNICAL DATA SHEET PremARC™ 40-60 Urethane Binder

Description

PremARC™ 40-60 is a low viscosity, solvent-free, single component, moisture-curing binder based on polyether polyols. PremARC™ 40-60 is MDI based, contains no volatile monomer and is TDI free. It is specifically designed for application on playgrounds and other sport surfacing using appropriate recycled rubber, EPDM and TPV granules

Application

COVERAGE/USAGE

The usage rate of the material will be very dependent on the type of rubber and the method of use and is normally in the range of 15-22% for wet pour (by weight based on the rubber granule) for wet pour top courses. This depends on the type of rubber being used. Please call American Recycling Center, Inc. to discuss further if assistance is required.

METHOD of APPLICATION

Wet Pour installation is the subject of a further publication. PremARC™ 40-60 based mixtures should not be applied to wet surfaces (i.e. surfaces where there are visible signs of moisture such as obviously damp patches). PremARC™ 40-60 can be used after rain when the surface has visibly dried. In very cold or dry conditions, a pre-treatment of the rubber with PremARC™ 40-60 is recommended. We do not recommend the installation of wet pour at temperatures of less than 5°C.

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

Store in a cool, dry place, indoors and avoid unnecessary opening of containers. Do not add any other materials to this product without written permission from the manufacturer. Once opened PremARC™ 40-60 will start to cure and a skin will form. Partly used containers should be resealed immediately and re-used as quickly as possible.

Health and Safety

Treatment/Decontamination Rinse thoroughly with a strong aqueous detergent solution and LEAVE PERMANENTLY OPEN. The reaction of isocyanates with water leads to the formation of carbon dioxide, which can result in pressure build-up in closed containers. This treatment converts any liquid residue into an inert solid. It is advisable to superimpose a 'Decontaminated' label after treatment.

Typical Properties

PremARC™ 40-60

S.G.	1.05 – 1.10
Appearance	Clear Straw Coloured Liquid
Viscosity	@ 25°C 1800 - 2500 mPas
Flash Point	>200°C
Storage Stability	(temperate) 9 months
NCO Value %	8.5 – 9.5

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.



American Recycling Center, Inc

655 Wabassee Drive, Owosso, MI 48867
(989) 725-5100 www.americanrecycling.com