



TECHNICAL DATA SHEET
PremARC® Aliphatic 70 Urethane Binder

Description

PremARC® Aliphatic 70 is a single component solvent free, aliphatic, moisture cured polyurethane pre polymer which exhibits excellent binding characteristics, hydrolytic stability, UV stability, and adhesive properties. PremARC® Aliphatic 70 is designed for use as a binder when mixed with rubber granules in the production of resilient pervious systems.

System Type: Aliphatic Urethane Binder
Appearance: Clear
Cure Type: Moisture Cure
Solids by weight: 100%
Solids by volume: 100%

Typical properties at 68°F:

Specific Gravity	DIN 53217	g/cm ³	1.07
Density	DIN 53217	lbs./gal	8.93
Viscosity	DIN53018/1+2	mPa·s	5300

Applications

Coverage/Usage

PremARC® Aliphatic 70 is ready for use as supplied and should be mixed thoroughly with the dry rubber granules prior to application. PremARC® Aliphatic 70 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, moisture or high humidity will shorten the cure times. Ambient humidity below 40% may extend the cure profile. Laboratory and field testing before use is strongly recommended.

UV Stability

Laboratory and field testing are strongly recommended

STORAGE

Keep material sealed until ready for use to prevent atmospheric moisture from contaminating material. Protect against humidity. Ideal storage temperature between 59-77°F (15-25° C) Store a dry well-ventilated area above 50°. If stored properly, material has a minimum shelf life of six months after the date of manufacture in the original, unopened packaging. Higher storage temperature over a longer period of time can shorten shelf life. Opened drums or 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. ***Please read the SDS carefully before use.***

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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