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Rosehill Polymers™

American Recycling Center, Inc.

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TECHNICAL DATA SHEET FLEXILON 1118 Aromatic Binder

Description

FLEXILON 1118 is a low viscosity, solvent-free, single component, moisture-curing binder based on polyether polyols.

FLEXILON 1118 is MDI based, contains no volatile monomer and is TDI free.

FLEXILON 1118 is slow curing for use in cool climates, It is specifically designed for application on playgrounds and other sport surfacing using appropriate recycled rubber or colored rubber granules.

Applications

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 16-20% for Pour In Place (by weight based on the rubber granule).

FLEXILON 1118 based mixtures should not be applied to wet surfaces (i.e. surfaces where there are visible signs of moisture such as obviously damp patches). We do not recommend the installation of wet pour at temperatures of less than 5°C.

Yellowing can occur when **FLEXILON 1118** is exposed to strong levels of UV rays but this does not change its mechanical properties. Depending on the weather conditions, these color changes can occur within the first hours or days after application. If the level of UV is strong enough then the yellowing process is usually faster during the binder curing process. Over a period of time though, the original color of rubber granule can return as the thin layer of binder wears off. This depends on the level of foot traffic on the surface..

Storage and Handling

Protect from freezing. Ideal storage is in a well ventilated area and keep cool. 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 **FLEXILON 1118** will start to cure and a skin will form. Partly used containers should be resealed immediately and re-used as quickly as possible. *Read the FX1118 Safety Data Sheet before handling, storing, or using this product.*

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.

Properties

S.G.		1.1
Appearance		Clear Straw Colored Liquid
Viscosity	@ 25°C	1800 - 2500 cP
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.

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