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Rosehill Polymers™

American Recycling Center, Inc.

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TECHNICAL DATA SHEET

FLEXILON 1102 – Summer Aromatic Binder

DESCRIPTION

GENERAL

FLEXILON 1102 is a solvent-free, single component, moisture-curing binder based on polyether polyols.

FLEXILON 1102 is MDI based, contains no volatile monomer and is TDI free.

FLEXILON 1102 is a slow curing for use in warm climates, on warm substrates or where slow curing or a very long open time is a particular requirement.

USES

FLEXILON 1102 is used as a binder in the in-situ installation of athletic tracks, rubber shock pads under artificial grass as well as in rubber safety surfaces for sports and play using recycled rubber and virgin colored rubber 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 18-22% for pour in place (by weight based on the rubber granule) for wet pour top courses and 5-16 % for base layers. Again this depends on the type of rubber being used.

METHOD of APPLICATION

FLEXILON 1102 based mixtures should not be applied to wet surfaces (i.e. surfaces where there are visible signs of moisture such as wet patches).

We do not recommend the installation of wet pour at temperatures of less than 5°C.

Yellowing can occur when **FLEXILON 1102** is exposed to strong levels of UV light but this does not change its mechanical properties. The yellowing is most evident with blue rubber granules which can appear green, grey which can appear yellow beige and white or cream which can appear yellow. 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 of the level of foot traffic on the surface. Where these sensitive colors are used, Rosehill Polymers recommend one of the following options:

1. Use an aliphatic binder.

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.

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Once opened **FLEXILON 1102** will start to cure and a skin will form. Partly used containers should be resealed immediately and re-used as quickly as possible.

USED CONTAINERS

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.

HEALTH AND SAFETY

The recommendations made in the material safety data sheet SDS for this product should be followed at all times.

TYPICAL PROPERTIES

FLEXILON 1102

S.G.		1.1
Appearance		Clear Brown Colored Liquid
Viscosity	@ 25°C	2600 – 3200 mPas
Flash Point		>200°C
Storage Stability	(temperate)	9 months
NCO Value	%	9.0 –10.0 %

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