

RUBBER BINDER-M20

One Component, Moisture Curing, Polyurethane Binding Resin
For Rubber and EPDM Granules.

DESCRIPTION

RUBBER BINDER-M20 is a one component polyurethane resin which cures with the humidity in the atmosphere. It is 100% solids, low viscosity and produces a very elastic hydrophobic membrane with excellent adhesion to EPDM or recycled rubber granules. The product does not contain any toxic monomers nor does it have pungent odors.

APPLICATIONS

- Children's playgrounds
- Running tracks
- walkways
- swimming pool surrounds
- build up to door entrances to avoid trip hazards
- Outdoor recreation areas

APPLICATION PROCEDURE

Mix the SBR or EPDM granules and the Binder at a ratio of up to 9:1 by weight. The exact ratio depends on the dust content of the granules, which should be reduced to a minimum. Mixing time is at least 4 minutes, depending on the size of the mixing-batches

and the type of mixer used. The blended materials are then spread onto the asphalt or concrete base using a mechanical tandem leveler. The tandem leveler shall have a heated oscillating screed bar to obtain both smoothness and compaction. The surface hardens through the reaction of the binding agent with humidity. The speed of the reaction depends on temperature and relative humidity. Usually the surface may be walked upon the next day.

SAFETY INFORMATION

The MSDS (Material Safety Data Sheet) is available on request.

PACKAGING

20 lt, 200 lit drums

SHELF LIFE

Can be kept for 12 months minimum in the original unopened pails in dry places and at temperatures of 5-25 °C. Once opened, use as soon as possible.



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TECHNICAL SPECIFICATIONS

In liquid form (before application):

PROPERTY	UNITS	METHOD	SPECIFICATION
Viscosity (Brookfield)	cP	ASTM D2196-86, @ 25 °C	2500-3000
Specific weight	gr/cm ³	ASTM D1475 / DIN 53217 / ISO 2811, @ 20 °C	1,05
Mix Ratio with rubber granules	-	-	Up to 9/1

PROPERTY	UNITS	METHOD	SPECIFICATION
Service temperature	°C	-	-40 to 80
Max. temperature short time (shock)	°C	-	200
Tensile strength at break @ 23 °C	Kg/cm ² (N/mm ²)	ASTM D412 / EN-ISO-527-3	350 (35)
Percent elongation @ 23 °C	%	ASTM D412 / EN-ISO-527-3	>700
Water vapor transmission	gr/m ² .hr	ASTM E96 (Water Method)	0.8

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