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TECHNICAL DATA

Erapol EMD73RB

POLYURETHANE RUBBER BINDER

Erapol EMD73RB is a single component, moisture cured polyurethane. It has primarily been designed as a low cost means of binding together reconstituted rubber to produce sheeting for uses on: Sports Surfaces, Playground Surfaces and Underlay for synthetic grass in tennis courts

Erapol EMD73RB can be used in the same applications as **Erapol ETL72D**.

Erapol EMD73RB is a MDI system and therefore contains **NO FREE TDI**.

FORMULATIONS

Successful formulations to date include the following:

	Material	Parts Per Hundred (pph)
A.	Rubber	90
	Erapol EMD73RB	10
	Water	0.17

B.	Rubber	80
	Erapol EMD73RB	20
	Water	0.35

C.	Rubber	70
	Erapol EMD73RB	30
	Water	0.5

PRODUCT SPECIFICATION

Viscosity @ 25°C (cps)	4700 ± 200
Viscosity @ 30°C (cps)	2600 ± 200

This information is of general nature and is supplied without recommendation of guarantee. It does not make claim to be free from patent infringement. Properties shown are typical and do not imply specification tolerances. Era Polymers cannot accept liability for loss or damage through use. Whilst these technical details are based on expert knowledge, practical experience and laboratory testing, successful application depends upon the nature and conditions in which the products are supplied. Users must, by comprehensive testing, evaluate this product in their own application.

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TYPICAL CURED PROPERTIES

Testing was carried out under standard laboratory conditions at 25 ± 3 °C.

Properties presented below are to be used as a guide and not intended for specification purposes.

	Material	Parts Per Hundred (pph)	Tack Free Time 25°C (hours)
1/	Rubber	80	3.5
	Erapol EMD73RB	20	

2/	Rubber	80	3.0
	Erapol EMD73RB	20	
	Water	0.35	

*** NOTE:** Tack free time is to be used only as a guide and not as a specification. The tack free time will be influenced by the relative humidity of the day as it will increase or decrease the tack free time. This must be taken into account.

PROCESSING

1. Mix together thoroughly until rubber has been completely wetted out by **Erapol EMD73RB**. As a rule of thumb, the more **Erapol EMD73RB** added as a percentage of rubber, the stronger the matrix produced.

2. Water may be added to the **Erapol EMD73RB** (0 - 2% by weight of **EMD73RB**) while mixing to shorten cure time and tack free time.

NOTE: Should the ratio of water exceed 2%, foaming of the polymer may occur.

3. The liquid matrix should be compression moulded, preferably under heat, (up to 150°C). It has been found that moulding between silicone coated paper prevents sticking and facilitates rapid demould.

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