

**Applied for Running Tracks, Hockey Fields, Gold Tees,
Baseball Field, Tennis Courts, Horse Parade Rings,
Play Ground Shock Absorption Pads & Other Sport Flooring System.
Grade Thickness From 15mm, 20mm & 25mm**

PRODUCT DESCRIPTION

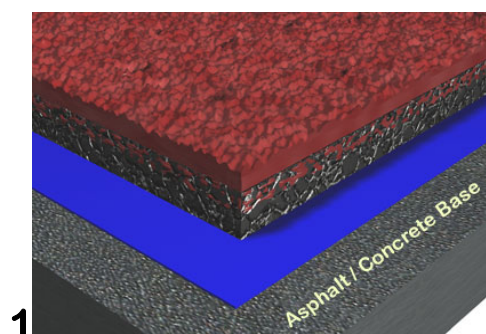
PUR Sport Floor, is a moisture curing, MDI based polyurethane prepolymer. This product is a high strength, flexible, durable polyurethane elastomer binder with excellent adhesion to most commonly available shredded or crumbed rubbers.

This product has been found suitable for manufacture of shredded or crumbed rubber underlays and mats for use in the following areas: hockey fields, tennis courts, golf tees, bowling greens, baseball fields, soccer pitches, running tracks. Horse parade rings, horse float resilient flooring, horse stables, horse racetrack crossovers, stair base protections pads, playground shock absorption pads, high resiliency carpet underlay, door mats, resilient flooring, flooring, pool surrounds and a variety of other application.

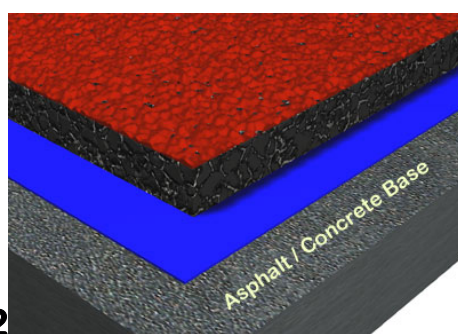
Note Not all shredded or crumbed rubbers may be suitable for use with this product. Checks should be made to confirm compatibility and durability.

Products made with **PUR Sport Floor**, will discolour with exposure to UV light (including sunlight). Users should make their own tests to determine the suitable of this product for their purpose. The addition of antioxidants and UV stabilizers into topcoats are know to delay the onset of dislocouration. Please contact the **LaMaCo System** Technical Centre for a recommendation.

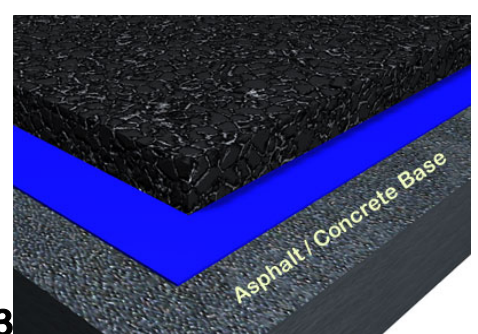
Typical of Liquid Properties		PUR Sport Floor 7112	PUR Sport Floor 7116
Appearance		Clear to Cloudy Liquid	Clear to Cloudy Liquid
Non-Volatiles		100%	100%
Viscosity (Brookfield)		3500 mPa.s	3000 mPa.s
Specific Gravity		1.10	1.10
N C O Content		9.5%	10.0%
Full Cure		24 – 72 hours	24 – 72 hours
Ratio Mix	Proposal (A)	Binder Resin : 15% to 20% Filler Crumbed Rubber Granules: 85% to 80%	
	Proposal (B)	Binder Resin : 15% to 20% Filler EPDM Granules : 85% to 80%	



1 PUR 7116 + EPDM Granule Sandwich Type



2 PUR 7116 + EPDM Granule Standard Type



3 PUR 7112 + Rubber Crumb Granule Standard Type

Typical Performance Data for Crumb Rubber Tile Cured Samples

Products Name	Density Kg/m ³	Binder Level (%)	Tensile KN/m ²	Elongation (%)	After Heat Ageing	
					Tensile KN/m ²	Elongation (%)
PUR 7112 & PUR 7116	600	15	367	79	481	64
PUR 7112 & PUR 7116	600	20	542	65	674	71
PUR 7112 & PUR 7116	800	15	806	78	1086	89
PUR 7112 & PUR 7116	800	20	1123	83	1848	104

- A) Sime Tire (M) Ltd, as supplied by Rubber Recycling. Mat thickness is 12mm – 14mm
 B) Standard Test: ASTM D624-86 or ASTM D412-68

Products Name	Density Kg/m ³	Tear Resistance KN/m	After Water Soak	
			Tensile KN/m	Elongation (%)
PUR 7112 & PUR 7116	600	5.5	316	46
PUR 7112 & PUR 7116	600	7.2	408	46
PUR 7112 & PUR 7116	800	8.8	539	59
PUR 7112 & PUR 7116	800	13.3	804	62

Test of Method	Tensile Strength KN/m ²	Elongation at Break (%)	Dimensional Stability (%)
Standard	2200 (± 470)	129.14 (± 4.95)	0.02 ± 0.01 (L) 0.00 ± 0.03 (W) 1.16 ± 0.47 (D)
Tropical Storage	3520 (± 290)	140.98 (± 4.36)	0.97 ± 0.07 (L) 0.98 ± 0.04 (W) 1.12 ± 0.49 (D)
Wet Ageing	3380 (± 130)	141.11 (± 6.02)	1.34 ± 0.16 (L) 1.04 ± 0.53 (W) 2.81 ± 0.97 (D)
Tropical Ageing	3210 (± 60)	145.82 (± 9.71)	0.34 ± 0.01 (L) 0.08 ± 0.41 (W) 0.97 ± 0.58 (D)
Cyclic Climate	1640 (± 10)	121.34 (± 13.64)	0.15 ± 0.12 (L) 0.06 ± 0.09 (W) 0.34 ± 0.29 (D)

Performance refer to Length, Width and Depth as indicated

Application Instruction

Binder ratio and shape of the rubber particles have a large effect on the performance of cured articles. In general at a given binder level, the use of fibrous shaped rubbers results in softer products with lower tensile strength than that gained using granular rubber particles.

Surface Preparation

Mats made using this product for outdoor surfaces should be laid in dry whether, onto dry substrates. This product may be laid on concrete, asphalt or well rolled crushed rock bases. Concrete surface require priming using this product diluted with dry hydrocarbon solvent. This product will adhere directly to asphalt provided it is clean, dry and free from surface oil or water. The asphalt should be aged at least 4-6 weeks before the bidder/rubber mix is applied. On crushed rock surface, testing should be done to establish the suitability of the mat for the application at hand.

Maxing

Dry rubber granules, blended with the binder in a force blender or agitator for 3-5 minutes until completely homogenized.

Application

Completely wet out rubber mixed processed into a level bed by hand tamping or mechanical pavers to event compact the mat to the desired thickness. For most applications, the layer is generally processed continuously to result in a seamless mat. If interruption is necessary, the leading edge of the mat laid should be primed prior to recommencement to prevent cracking at a later date.

Open Time

The open time of this product when mixed is dependent on temperature, humidity, moisture content of the rubber and a variety of other factors. In general, mixed product without catalyst will remain workable for up to two hours.

Do not attempt to lay the bidder/rubber mixture once the mix has been significantly stiffened. Do not interrupt the mat during cure by further work or traffic as this will lead to cracking in services.

Clean Up

Tools and equipment may be cleaned using solvents such as Xylene, Mineral Turpentine or White Spirits while the bidder is uncured. Cured product may be removed by scraping or the use of a strong solvent such as **NMP**.

PACKING

PUR Sport Floor 7112 is supplied in 220kg drum.

PUR Sport Floor 7116 is supplied in 220kg drum.

STORAGE

Store in cool, dry place. Under normal conditions (20-25 °C) a shelf life of 12 months in unopened containers.

To Applicator & Contractor, Supply and Install or Laying

<i>Item</i>	<i>Description of Details Thickness</i>	<i>Required of Quantity Kg/m2</i>	<i>Unit Price</i>	<i>Total</i>
1	Thickness 25mm Heavy Duty Floor 20% mix ratio [80% of Filler + 20% of Binder]			
1.1	PUR Sport Primer (if required)	00.50 kg		
1.2	12mm thick, EPDM Granules	12.00 kg		
1.3	13mm thick, Rubber Crumb Granules	15.00 kg		
1.4	PUR Sport Floor 7112 Resin	05.00 kg		
1.5	Paving Machinery + Wages Cost			
2	Thickness 20mm Medium Duty Floor 20% mix ratio [80% of Filler + 20% of Binder]			
2.1	PUR Sport Primer (if required)	00.50 kg		
2.2	9mm thick, EPDM Granules	9.00 kg		
2.3	11mm thick, Rubber Crumb Granules	12.60 kg		
2.4	PUR Sport Floor 7112 Resin	04.10 kg		
2.5	Paving Machinery + Wages Cost			
3	Thickness 16mm Medium Duty Floor 20% mix ratio [80% of Filler + 20% of Binder]			
3.1	PUR Sport Primer (if required)	00.50 kg		
3.2	7mm thick, EPDM Granules	07.00 kg		
3.3	9mm thick, Rubber Crumb Granules	10.30 kg		
3.4	PUR Sport Floor 7112 Resin	03.46 kg		
3.5	Paving Machinery + Wages Cost			
2	Thickness 16mm Medium Duty Floor 20% mix ratio [80% of Filler + 20% of Binder]			
2.1	PUR Sport Primer (if required)	00.50 kg		
2.2	16mm thick, EPDM Granules	16.00 kg		
2.3				
2.4	PUR Sport Floor 7112 Resin	03.20 kg		
2.5	Paving Machinery + Wages Cost			

Select Color Chart for EPDM Only

Blue – BU 01



Blue – BU 02



Blue – BU 03



Green – GN 01



Green – GN 02



Green – GN 04 P1



Green – GN 05 P1



Green – GN 06 P1



Green – GN 07



Green – GN 08



Grey – GY 01



Orange – 02 P1



Purple – 01 P1



Red – Re 01



White – 03



White - 04

**LaMaCo System Sdn Bhd**

407, Jalan Perusahaan 6, Taman Bandar Baru Mergong,
05150 Alor Setar, Kedah. Malaysia

Tel : +60-4-771 1111

Fax : +60-4-772 4444

Http : www.lamaco.com

Email : info@lamaco.com

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Health & Safety Some of the components of this product may be hazardous during mixing and application. Please consult the relevant Health & Safety Data Sheets, available from **LaMaCo Malaysia** on request and sent with each delivery.