

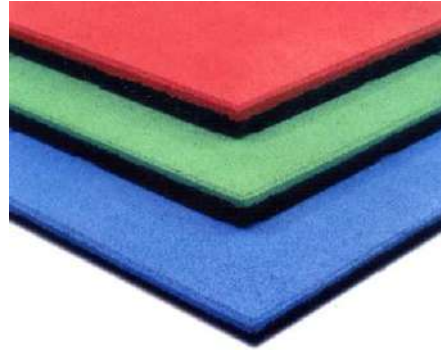


الشركة السعودية لمنتجات المطاط
SAUDI RUBBER PRODUCTS CO.



Play Ground Safety Rubber Tiles EPDM Elastic Mats 40, 60, 70, 80 mm

Reducing Impact...
on **people**
and the
environment



1. Description

Sarpco Safe Tiles are pressure-molded and processed from 100% recycled rubber and urethane binder. These innovative and colorful tiles can reduce impact from falls of up to twelve feet, and because they're made from recycled material, they have little impact on the environment. Resilient and slip resistant, these factory-molded tiles are available in red, green & blue. They are designed for durability and fall protection. Each tile is molded to reduce gaps and sized for easy installation.

All tiles are bonded with a polyurethane resin and UV stabilizer to create an attractive and durable safety surface.

2. Application

Sarpco Safe Tiles are used as fall-impact protection surfacing in conformance with EN 1177:2008 under outdoor playground equipment for fall heights 1,2 up to 2,44 m.

Sarpco Safe Tiles provide the safety and durability you need for almost any impact-prone surface.

- Resilient and slip-resistant
- Constructed of soft rubber particles
- Factory molded and bonded with polyurethane resin
- Environmentally safe
- Available in Five standard pigmented colors and 12 standard EPDM colors
- Certified to comply with CPSC Standards, as well as DIN, EN, ASTM and ADA guidelines
- Installation is backed by a 1-year guarantee



3. Material

Rubber granulate: Elastic granulated recycled rubber, Topping Pure colored Third Generation EPDM granulate.

Binding agent: MDI polyurethane

4. Characteristics

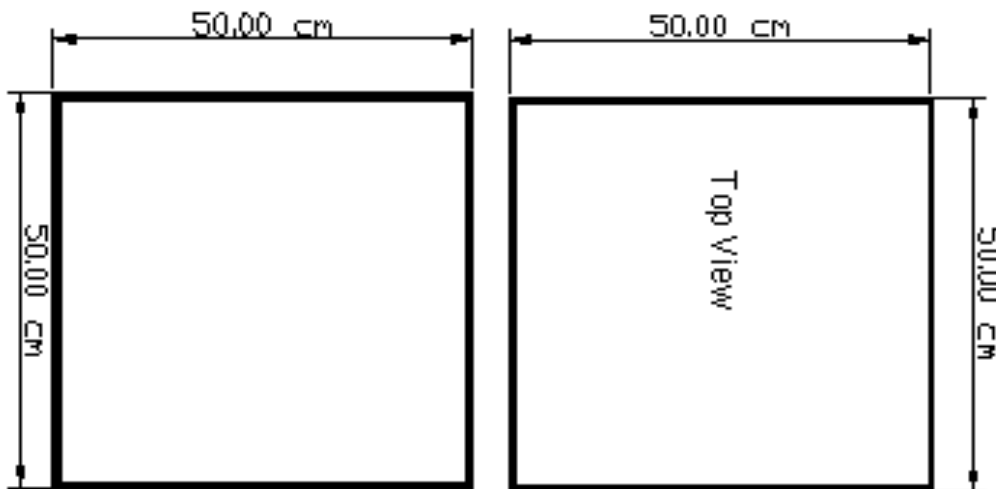
Top Layer PUR bound red-brown EPDM granules w/ smooth (slightly sanded) top texture 4-5 mm thick, minor colour variations and/or fading possible

Base Layer PUR bound black rubber granules w/Cones-shaped holes: base 40mm, Depth 25mm in a 60x60mm grid pattern 35-36mm thick

5. Dimensions / Tolerances

Dimensions [mm]	Weight [kg]/ unit	Max. Fall Height [m]
500 x 500 x 40	approx. 7,5	1,20
500 x 500 x 60	approx. 9,1	1,83
500 x 500 x 70	approx. 12,7	2,13
500 x 500 x 80	approx. 13,5	2,44
Dimensional tolerances:	length, width: +/- 0,8 %, thickness: +/- 2 mm	

Layouts & Dimensions



Square Sharp Edge Tile

6. Colors

Standard Pigmented Colours



Red

Green

Blue

Grey

Black

EPDM Coloured Granules

Standard Colour				
	Red 01	Brown 09	Grey 11	Ivory 13
	Golden Yellow 08	Light Brown 10	Light Grey 12	Grass Green 17
Bright Colour				
	Green 02	Blue 04	Orange 06	White 16
	Light Green 03	Light Blue 05	Yellow 07	Navy Blue 18
Special Colour				
	Pink 14	Purple 15		



7. Tests Data

Testing Property	Test Method	Typical Results				
Fire Resistance	EN 13501-1:2007	Class Cfl s1				
Dynamic Friction /Sliding	EN 13036-4 ,ASTM E 303	Dry: 64, Wet: 56				
Abrasion Resistance	ISO 5470-1 EN 14877: 2013	5.9 g				
Slip Resistance	ASTM D2047-99	Static Coefficient of Friction = 0.65 (Dry Condition)				
Flammability - Ignition Characteristics	ASTM D2859-02	8 Specimens Passed				
Flammability- Critical Radiant Flux	ASTM E648-03	Critical Radiant Heat Flux = 0.08 Watts/ cm ²				
Fungal Resistance	ASTM G21-96	Observed Growth = 0 (After 30 Days), No Discoloration				
Tensile Strength Properties	DIN 53571 EN 12230	Tensile Strength 0.75 N/mm ² Elongation @ Break 0.41%				
Compression Strength	ASTM D695-02	Compression Strength 10% strain = 56.60 psi				
Water Permeability	ASTM E96	Water Vapor Transmission = 0.00011321 g/hr/Sq cm for 40mm Slab				
Resistance to Chemical exposure	ASTM F925	Conditionally resistant to acids and bases White vinegar 5% acetic acid, Rubbing alcohol 70% Isopropyl, Mineral oil, Sodium hydroxide 5% solution, Sulfuric acid 5% solution, Ammonia solution 5%, Household bleach 5.25%, Phenol disinfectant 5%, Kerosene, Gasoline NO CHANGE				
Critical Fall Height: HIC 1000 Shock Absorbing Properties, for (Impact Attenuation of Surface Systems Under and Around Playground Equipment)	EN 1177: 2008 ASTM F1292-99	Temperature	Critical Fall Height			
			40mm	60 mm	70 mm	80 mm
		Ambient 2°C (73°)	1.2 meter	1.83 meter	2.13 meter	2.13 meter
		Cold -1°C (30°F)	1.2 meter	1.83 meter	1.83 meter	2.13 meter
		Hot 49°C (120°F)	1.3 meter	1.83 meter	2.13 meter	2.44 meter



8. Installation Detailed installation manual is available upon Request

Playground Safety Tiles Installation Manual



Table of Contents

- I. Delivery and Storage of Materials
- II. Installation Materials
- III. Site Preparation
- IV. Site Layout
- V. Adhesive Application
- VI. Installing *Sarpco Safe Tiles*
- VII. Cutting *Sarpco Safe Tiles*
- VIII. Cleaning and Maintenance
- IX. Disclaimer

Crumb Rubber, Safety Rubber Tiles, Sports & Playgrounds Safety Surfacing, Artificial Grass

إنتاج حبيبات المطاط - البلاط المطاطي وأرضيات الملاعب الآمنة وملاعب الاطفال وملاعب العشب الصناعي

P. O. Box 3869 - Al-Khobar 31952 - Kingdom of Saudi Arabia
Tel: +966 - 13 - 812 1919 - Fax: +966 - 13 - 812 1818



ص.ب ٣٨٦٩ - الخبر ٣١٩٥٢ - المملكة العربية السعودية

هاتف: ١٩١٩ ٨١٢ - ٣ - ٩٦٦ / فاكس: ١٨١٨ ٨١٢ - ٣ - ٩٦٦

Website : www.saudirubber.com - E-mail : info@saudirubber.com

