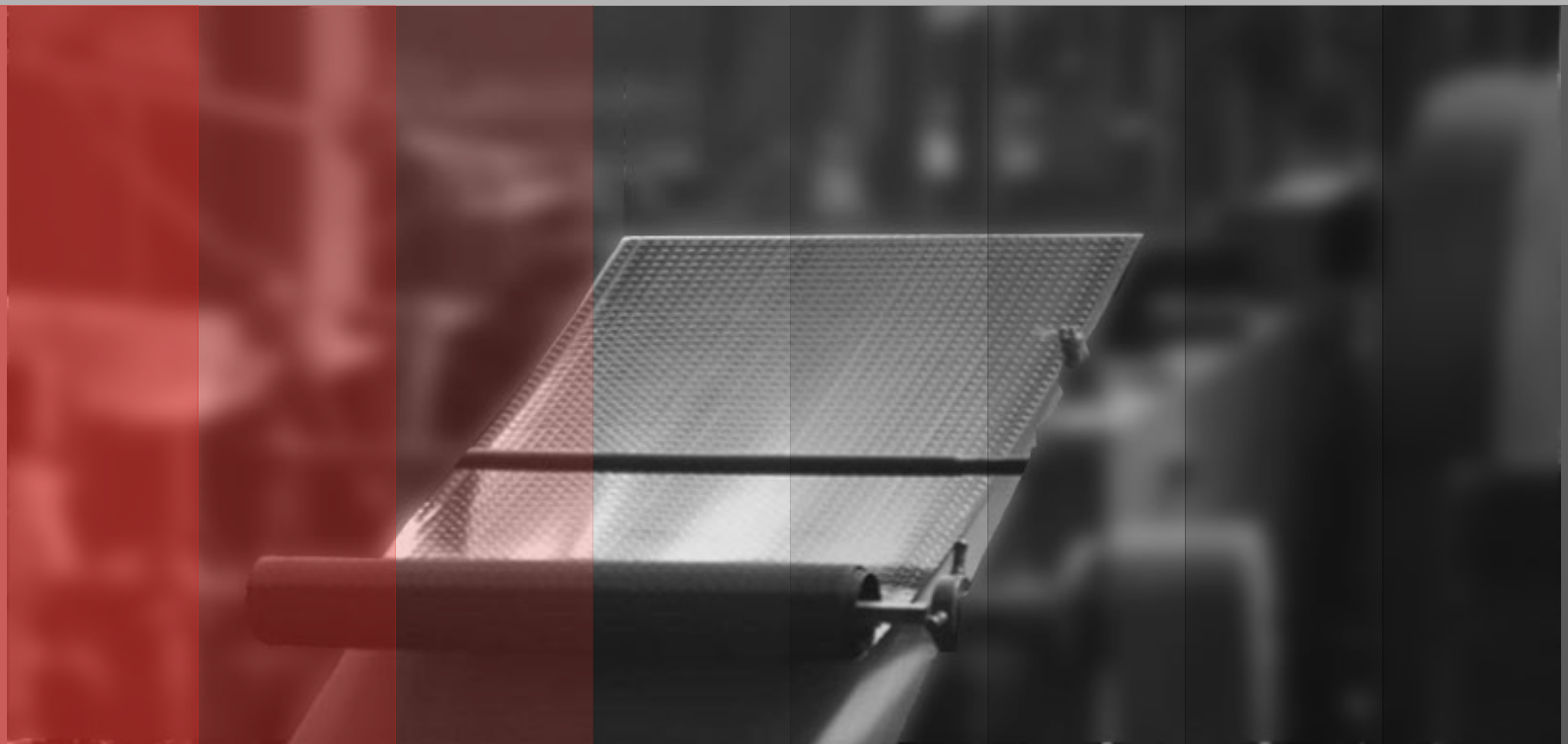


VULKAN GUME D.O.O. NIŠ



rubber flooring and technical sheets



Mission

Development, production and market supplying with high quality rubber products within the maximally short terms of delivery and by competitive price. Our goal is long term partnership, that is why we consider the best interest of both sides the basis of successful cooperation.

Quality

We produce only high quality rubber products. All production processes are strictly controlled, beginning with the input control of materials all the way to the final product. Our production is made in accordance with requirements of European standards. System of Quality Management of company "VULKAN GUME LLC" is certified by international standards **ISO 9001:2008**, **ISO 14001:2004**, as well as **TECKO №UA.MQ.148**.

Reputation

In 75 years of factory's existence we have won the trust of many customers from Europe, the Middle East and Russia, as well as the countries of the Balkan region, where our regular buyers are majority of public and private companies: power plants, mines, factories and industrial plants.

Development

Our product line is constantly updated with new types of products, created at the request of customers. Our laboratory, in collaboration with technicians, regularly develops new recipes and masters the production of new products in order to satisfy the needs of our customers.

Logistics

Geographical location of the factory in the heart of Europe with a developed transport network gives us the advantage in the organization of logistics in terms of goods delivery and supplying of materials. This gives us an opportunity to significantly optimize transportation costs and reduce period of delivery.



"VULKAN GUME" Rubber Industry is situated in the heart of Serbia, in the city of Nis. Founded in 1937, our company, the oldest rubber industry in the Balkans, has a long tradition of successful business. The favorable geographical and logistic position of the factory is only one of its advantages.

From the day of the foundation up to the present moment, we stick to the principles which distinguish us from our competitors. Those principles primarily concern the quality, individual approach to the client and maximally short terms of delivery.

The range of our products is applicable in the fields of mining, metallurgy and construction:

- rubber conveyor belts
- pressure and pressure-suction hoses
- hoses for special purposes
- **TECHNICAL SHEETS**
- **RUBBER FLOORING SHEETS**
- **ELECTRO INSULATING MATS AND BOOTS**
- rubber technical goods

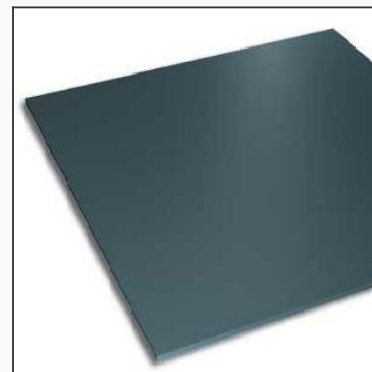
Rubber flooring

Rubber floorings "VULKAN GUME LLC" is being made on the basis of natural and synthetic caoutchouc with the addition of mineral fillers and safe colors. Rubber floorings do not contain toxic substances like hlorine, bromine, iodine, cadmium, asbestos and heavy metals. Improved performance characteristics such as durability, wear resistance, good sound insulation, anti-slip properties, stability in contact with smoldering cigarette butts and easy cleaning allows application of rubber flooring "VULKAN GUME LLC" in all types of industrial, public and residential buildings:

- offices, schools, hospitals, residential buildings
- malls, supermarkets, catering companies
- exhibition areas, train stations, airports
- warehouses and industrial premises
- public transportation
- fitness-centers

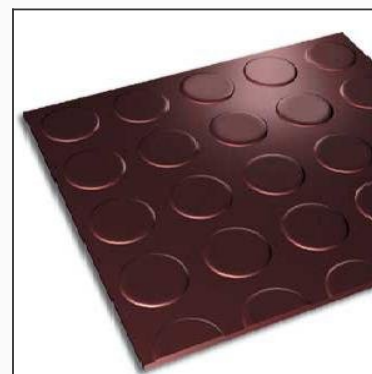
Flooring sheet SMOOTH

			<i>in accordance with standard</i>	<i>thickness (mm)</i>	<i>width (mm)</i>	<i>length (mm)</i>	<i>rubber</i>
					max 1250	max 15000	
<i>hardness</i>	78 ± 5	°Sh	DIN 53505				
<i>specific gravity</i>	1.55	g/cm ³	DIN 53479				
<i>temperature range</i>	-20 do +70	°C					
<i>resistance to abrasion (5N)</i>	max 160	mm ³	DIN 53516				
<i>dimensions change under the influence of heat</i>	< 0.6	mm	DIN 51962				
<i>resistance to further tearing</i>	< 20	N/mm					
<i>burning characteristic</i>	class B2		DIN 4102-1				
<i>chemical agents resistance</i>	no color change		DIN 51958				
<i>testing of flammability by cigarette</i>	extinguishing cigarette butt - no change						
<i>testing of light resistance</i>	no color change		DIN 53389				
<i>color</i>	black						
	red						
	green						
	grey						
	blue						
	dark blue						
	on request						
<i>appearance</i>	the upper side smooth, the back side with textile pattern						



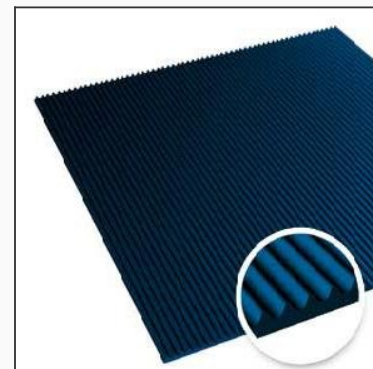
Flooring sheet BOLLO

			<i>in accordance with standard</i>	<i>thickness (mm)</i>	<i>width (mm)</i>	<i>length (mm)</i>	<i>rubber</i>
					max 1250	max 15000	
<i>hardness</i>	78 ± 5	°Sh	DIN 53505				
<i>specific gravity</i>	1.55	g/cm ³	DIN 53479				
<i>temperature range</i>	-20 do +70	°C					
<i>resistance to abrasion (5N)</i>	max 160	mm ³	DIN 53516				
<i>dimensions change under the influence of heat</i>	< 0.6	mm	DIN 51962				
<i>resistance to further tearing</i>	< 20	N/mm					
<i>burning characteristic</i>	class B2		DIN 4102-1				
<i>chemical agents resistance</i>	no color change		DIN 51958				
<i>testing of flammability by cigarette</i>	extinguishing cigarette butt - no change						
<i>testing of light resistance</i>	no color change		DIN 53389				
<i>color</i>	black						
	red						
	green						
	brown						
	grey						
	blue						
	on request						
<i>appearance</i>	the upper side smooth, the back side with textile pattern						



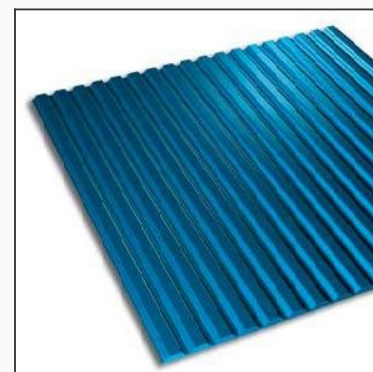
Flooring sheet 1000 RIGHE

			<i>in accordance with standard</i>	<i>thickness (mm)</i>	<i>width (mm)</i>	<i>length (mm)</i>	<i>rubber</i>
					max 1250	max 15000	
<i>hardness</i>	78 ± 5	°Sh	DIN 53505				
<i>specific gravity</i>	1.55	g/cm ³	DIN 53479				
<i>temperature range</i>	-20 do +70	°C					
<i>resistance to abrasion (5N)</i>	max 160	mm ³	DIN 53516				
<i>dimensions change under the influence of heat</i>	< 0.6	mm	DIN 51962				
<i>resistance to further tearing</i>	< 20	N/mm					
<i>burning characteristic</i>	class B2		DIN 4102-1				
<i>chemical agents resistance</i>	no color change		DIN 51958				
<i>testing of flammability by cigarette</i>	extinguishing cigarette butt - no change						
<i>testing of light resistance</i>	no color change		DIN 53389				
<i>color</i>	black						
	red						
	green						
	grey						
	blue						
	dark blue						
	on request						
<i>appearance</i>	the upper side smooth, the back side with textile pattern						



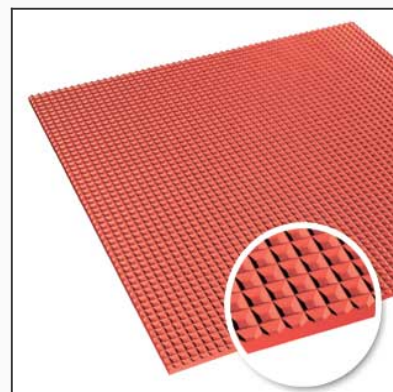
Flooring sheet 100 RIGHE

			<i>in accordance with standard</i>	<i>thickness (mm)</i>	<i>width (mm)</i>	<i>length (mm)</i>	<i>rubber</i>
					max 1250	max 15000	
<i>hardness</i>	78 ± 5	°Sh	DIN 53505				
<i>specific gravity</i>	1.55	g/cm ³	DIN 53479				
<i>temperature range</i>	-20 do +70	°C					
<i>resistance to abrasion (5N)</i>	max 160	mm ³	DIN 53516				
<i>dimensions change under the influence of heat</i>	< 0.6	mm	DIN 51962				
<i>resistance to further tearing</i>	< 20	N/mm					
<i>burning characteristic</i>	class B2		DIN 4102-1				
<i>chemical agents resistance</i>	no color change		DIN 51958				
<i>testing of flammability by cigarette</i>	extinguishing cigarette butt - no change						
<i>testing of light resistance</i>	no color change		DIN 53389				
<i>color</i>	black						
	red						
	green						
	brown						
	grey						
	blue						
	dark blue						
	on request						
<i>appearance</i>							



Flooring sheet PYRAMID

			<i>in accordance with standard</i>	<i>thickness (mm)</i>	<i>width (mm)</i>	<i>length (mm)</i>	<i>rubber</i>
					max 1250	max 15000	
<i>hardness</i>	78 ± 5	°Sh	DIN 53505				
<i>specific gravity</i>	1.55	g/cm ³	DIN 53479				
<i>temperature range</i>	-20 do +70	°C					
<i>resistance to abrasion (5N)</i>	max 160	mm ³	DIN 53516				
<i>dimensions change under the influence of heat</i>	< 0.6	mm	DIN 51962				
<i>resistance to further tearing</i>	< 20	N/mm					
<i>burning characteristic</i>	class B2		DIN 4102-1				
<i>chemical agents resistance</i>	no color change		DIN 51958				
<i>testing of flammability by cigarette</i>	extinguishing cigarette butt - no change						
<i>testing of light resistance</i>	no color change		DIN 53389				
<i>color</i>	black						
	red						
	green						
	grey						
	blue						
	dark blue						
	on request						
<i>appearance</i>							



Flooring sheet SPORTING

			<i>in accordance with standard</i>	<i>thickness (mm)</i>	<i>width (mm)</i>	<i>length (mm)</i>	<i>rubber</i>
					max 1250	max 15000	
<i>hardness</i>	78 ± 5	°Sh	DIN 53505				
<i>specific gravity</i>	1.55	g/cm ³	DIN 53479				
<i>temperature range</i>	-20 do +70	°C					
<i>resistance to abrasion (5N)</i>	max 160	mm ³	DIN 53516				
<i>dimensions change under the influence of heat</i>	< 0.6	mm	DIN 51962				
<i>resistance to further tearing</i>	< 20	N/mm					
<i>burning characteristic</i>	class B2		DIN 4102-1				
<i>chemical agents resistance</i>	no color change		DIN 51958				
<i>testing of flammability by cigarette</i>	extinguishing cigarette butt - no change						
<i>testing of light resistance</i>	no color change		DIN 53389				
<i>color</i>	red						
	green						
	on request						
<i>appearance</i>							

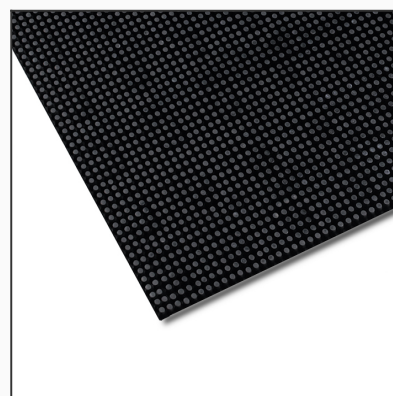


Anti-dirt and anti-slip rubber flooring Punto

It is used as protection from water and dirt in the entryways of residential and public areas with high traffic, as well as for safe and comfortable movement at the pools, ski centers, skating rinks and other places with slippery surfaces.

Flooring sheet PUNTO

			<i>in accordance with standard</i>	<i>thickness (mm)</i>	<i>width (mm)</i>	<i>length (mm)</i>	<i>rubber</i>
					1000	1000 / 10000	
<i>hardness</i>	50 ± 5	°Sh	DIN 53505				
<i>weight</i>	8.6	kg/m ²	DIN 53479				
<i>temperature range</i>	-20 do +70	°C					
<i>resistance to abrasion (5N)</i>	min 300	mm ³	DIN 53516				
<i>tensile strength</i>	7	MPa					
<i>resistance to further tearing</i>		N/mm					
<i>burning characteristic</i>			DIN 4102-1				
<i>chemical agents resistance</i>			DIN 51958				
<i>testing of flammability by cigarette</i>							
<i>testing of light resistance</i>			DIN 53389				
<i>color</i>	<div style="display: flex; align-items: center;"> <div style="width: 20px; height: 10px; background-color: black; margin-right: 5px;"></div> black </div> <div style="display: flex; align-items: center; margin-top: 2px;"> <div style="width: 20px; height: 10px; background: linear-gradient(to top, red, yellow, green, blue); margin-right: 5px;"></div> </div> <div style="display: flex; align-items: center; margin-top: 2px;"> <div style="width: 20px; height: 10px; background-color: grey; margin-right: 5px;"></div> grey </div>						
<i>appearance</i>							



Specialized electro insulating boots

Specialized dielectric footwear is designed for the safe work on electrical installations and other places of high risk of electric shock. It is being used at an operating voltage up to 3000 V in the temperature range from -30 to +50. Frequency of testing of electric conductivity properties of dielectric footwear is once a year.

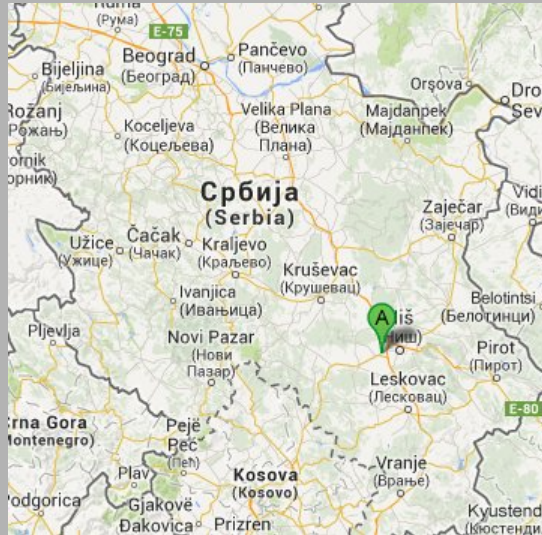
Size: 45, 47
 Height: 25cm
 Color: ocher
 Standard SRPS: Z.B1.303



	STANDARD QUALITY TECHNICAL SHEETS				TECHNICAL SHEETS FOR SPECIAL PURPOSE										
	R.T.S.	R.T.S.	R.T.S.	R.T.S.	abrasion resistant R.T.S.	High quality		Oil resistant R.S.		Oil resistant R.S.		Oil resistant R.S.		Electro insulating carpet	
thickness (mm)	1-6	6-20	10-50	1-6	1-25	1-6	6-20	1-6	6-20	1-6	6-20	1-6	6-20	4-6	3-4
width (mm)	1200	1200	1000	1200	1000/1200	1200	1000/1200	1200	1000/1200	1200	1000/1200	1200	1000/1200	1000/1200	1000/1200
length (mm)	10000	10000	1000	10000	10000	10000		1000		10000		10000 5000-10000		10000	
rubber	SBR / NR	SBR / NR	SBR / NR	SBR / NR	SBR / NR	NR	NR	20% NBR	20% NBR	100% NBR	100% NBR	100% NBR	100% NBR	NR / SBR	NR / SBR
hardness (°Sh)	75 ± 5	70 ± 5	70 ± 5	60 ± 5	63 ± 5	40 ± 5	50 ± 5	70 ± 5		70 ± 5		50		65	
specific gravity (g/cm³)	1.5	1.5	1.5	1.5	1.15	1	1.5	1.4		1.4		1.2 ± 0.05		1.45 ± 0.05	
tensile strength (MPa)	min 4	min 4.5	min 4.5	min 4.5	min 15	min 18		min 6		min 8		min 8		min 5	
elongation (%)	min 200	min 200	min 200	min 200	min 400	min 800		min 200		min 300		min 500		min 200	
temperature range (°C)	-20 do +70	-20 do +70	-20 do +70	-20 do +70	-30 do +80	-30 do +70		-20 do +80		-20 do +100		-30 do +100		-30 do +80	
resistance to abrasion (5N) (mm³)	max 250	max 250	max 250	max 250	max 100	max 150		max 200		max 200		max 160		-	
ozone resistance	non resistant	non resistant	non resistant	non resistant	non resistant	non resistant		non resistant		non resistant		non resistant		non resistant	
weather resistance	well resistant	well resistant	well resistant	well resistant	excellent resistant	well resistant		well resistant		well resistant		non resistant		-	
oil resistance	non resistant	non resistant	non resistant	non resistant	non resistant	non resistant		well resistant		excellent resistant		excellent resistant		type 3000 - breakdown vol:	type 1000 - breakdown vol:
benzine resistance	non resistant	non resistant	non resistant	non resistant	non resistant	non resistant		conditionally resistant		well resistant		conditionally resistant			
acid resistance	non resistant	non resistant	non resistant	non resistant	non resistant	non resistant		conditionally resistant		conditionally resistant		conditionally resistant			
strong bases resistance	non resistant	non resistant	non resistant	non resistant	non resistant	non resistant		conditionally resistant		conditionally resistant		conditionally resistant			
solid rubber (mm)	1-6	6-25	10-50	6-25	-	-		-		-		-			
with 1 ply (mm)	2-6	6-25	-	-	-	-		-		-		-			
with 2 plies (mm)	3-5	6-25	-	-	-	-		-		-		-			
with 3 plies (mm)	5-6	6-25	-	-	-	-		-		-		-			
with 4 plies (mm)	6	6-25	-	-	-	-		-		-		-			
Permanent deformation by compression for 25% SRPS G.S2.130															
conditions	22h na 70°C				-	-		22h na 70°C		-	72h na 70°C		-		
CS	50%				-	-		30%		-	50%		-		
testing of rubber resistance against fluids SRPS G.S2.129															
medium	-	-	-	-	-	-		ASTM N°2		-	ASTM N°2		-		
conditions	-	-	-	-	-	-		22h na 70°C		-	72h na 70°C		-		
volume change	-	-	-	-	-	-		±2%		-	±2%		-		

thickness	tolerance
0.75	±0.12mm
1	±0.20mm
1.5	±0.25mm
2	±0.30mm
3	±0.40mm
4.5	±0.55mm
6	±0.75mm
10	±1.00mm
>12.50	±10%
width	±2%
length	±2%
hardness	±5°Sh
spec. gravity	±5%

VULKAN GUME D.O.O. NIŠ



GPS: N43.313485, E21.791616

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