NBS/M50 DRF Uni Smooth Rubber Flooring Tile

TYPE(S) OF COVERING

110 RUBBER TILE:

Preparation: Latex screed

- Tiles: Calendered and vulcanised rubber.

  Manufacturer and reference: DRF (France) Ltd. Freiston Enterprise Park, priory road, freiston, Lincolnshire. PE220JZ. Te: 01205761779. www.drf-france.com

  Size: 682mm x 682mm, 610mm x 610mm, 341mm x 341mm

  Thickness: 2mm, 2.5mm, 3mm

  Colour: TBC – From 80 Standard colours

- Adhesive: FBalls http://www.f-ball.co.uk/product_detail.asp?product=F58

  Maintenance and Finishing: Contact Traffik on sales helpline: 0800 298 5012 email: info@traffik.uk.com

- Special requirements: additional information on request from DRF (France) Ltd

Special Qualities

In addition to the standard production quality our rubber flooring is also available in a range special qualities:

Quality	Environment
MFR (Marine Fire Resistant) IMO Res MSC 61(67)	For use on all registered shipping
WFR (Wall Fire Resistant) BS476 Class 0	For use on internal walls and ceilings
EFR (Extra Flame Resistant)	For hovercraft/aviation use
Low Smoke & Extra Flame Resistant	For use in high risk areas, such as fire escape routes and tunnels
EUVS (Extra UV Stabilised)	For use in areas exposed to high levels of sunlight
Outdoor Quality	For use in external area
Dissipative Electrically Conductive	For use electrically sensitive areas, such as operating theatres
Oil Resistant	For use in areas subject to oil spillage, such as drilling platforms, petrol stations and engine rooms

Note
Due to the different compounds used and manufacturing techniques required, there will be slight variation in colour between standard production and special quality production.

Technical Data

UniSmooth, Marbre, Terrazzo and Micro-Reliefs

Properties according to NF EN 1817 (Specification for homogeneous and heterogeneous rubber floor coverings)

Thickness : 2.5 mm

Features	Standard	Unity	Requirement	Results
Declaration of Performance				DOP 001
Fire Behaviour (Glued)	EN 13 501-1	Classification		B fl – s1
Fire Behaviour (Taped)	EN 13 501-1	Classification		C fl – s1
Slip Resistance	EN 13 893	Classification	DS (>0.3)	DS (0.88)
Use Classification	EN 685	Classification		23/34/43

General Properties

Features	Standard	Unity	Requirement	Results
Thickness	EN428	mm	< + 0.20mm	Conforms
Dimensions	EN427	mm	< + 0.15%	Conforms
Dimensional Stability	EN 434	%	0.4% 0.1%	Conforms
Flexibility	EN 435 Method A		No Cracking	Conforms
Hardness	ISO 7619	Shore A	75	81-89
Residual Indentation	EN 433	mm	< 0.20	0.05
Abrasion Resistance	EN 433	mm3	< 250	240
Colour Fastness	EN ISO 105-B02		Minimum 6 (Blue Scale)	6
Castor Chair Test	EN 425			Conforms
Cigarette Burn Resistance - Glowing	EN1399		> 5	Conforms >4
Cigarette Burn Resistance - Stubbed	EN1399		>4	Conforms >3

Other Properties

Features	Standard	Unity	Requirement	Results
Electrical Resistance (Vertical)	EN 1081	Ohm		6.4 x 1011
Electrical Resistance (Horizontal)	EN 1081	Ohm		1.5 x 1011
Electrostatic Propensity	EN 1815	kV	<2	0.3
Stain Resistance	EN 423			
Slip Resistance (Dry)	DIN 51130	Classification		R9
Slip Resistance (Wet)	DIN 51 097			Class A
Wear Resistance	ISO 34 :1	N/mm	>20	1.3
Sound Reduction	ISO 140-8	dB		Delta Lw=5 dB
Sound Reduction	NF S 31 - 074	dB		73 dB / Class B
Thermal Conductivity	ISO 8302	m²k/W		0.008

Technical Data Sheet

Reliefs

Properties according to NF EN 12199 (Specification for homogeneous and heterogeneous rubber floor coverings)

Thickness : 2.5 mm

Features	Standard	Unity	Requirement	Results
Declaration of Performance				DOP 001
Fire Behaviour (All colours)	EN 13 501-1	Classification		B fl – s1
Fire Behaviour (Black)	EN 13 501-1	Classification		C fl – s1
Slip Resistance	EN 13 893	Classification	DS (>0.3)	DS
Use Classification	EN 685	Classification		23/32/41

General Properties

Features	Standard	Unity	Requirement	Results
Thickness	EN428	mm	< + 0.20mm	Conforms
Dimensions	EN427	mm	< + 0.15%	Conforms
Dimensional Stability	EN 434	%	0.4%	Conforms
Flexibility	EN 435 Method A		No Cracking	Conforms
Hardness	ISO 7619	Shore A	70	Conforms
Residual Indentation	EN 433	mm	< 0.20	Conforms
Abrasion Resistance	EN 433	mm3	< 250	Conforms
Colour Fastness	EN ISO 105-B02		Minimum 6 (Blue Scale)	Conforms
Castor Chair Test	EN 425			Conforms
Cigarette Burn Resistance - Glowing	EN1399		> 5	Conforms >4
Cigarette Burn Resistance - Stubbed	EN1399		>4	Conforms >3

Other Properties

Features	Standard	Unity	Requirement	Results
Electrical Resistance (Vertical)	EN 1081	Ohm		3.7 x 1011
Electrical Resistance (Horizontal)	EN 1081	Ohm		Conforms
Electrostatic Propensity	EN 1815	kV	<2	Conforms
Stain Resistance	EN 423			Conforms
Slip Resistance (Dry)	DIN 51130	Classification		R9
Slip Resistance (Wet)	DIN 51 097			Class A
Wear Resistance	ISO 34 :1	N/mm	>20	1.3
Sound Reduction	ISO 140-8	dB		Delta Lw=5 dB
Sound Reduction	NF S 31 - 074	dB		73 dB / Class B
Thermal Conductivity	ISO 8302	m²k/W		0.008

Additional Information

Prior to Installation
Plaques should be back rolled prior to installation and stored at room temperatures for 48 hours. The back of the tiles should be brushed clean before installation. Tiles should be laid broken bonded in most cases.

Installation
Please refer to **www.drf-france.com** for full installation, adhesive and aftercare information.

Thickness
DRF rubber is available in a range of thicknesses. We recommend a minimum thickness of 2.5mm for use on floors. Thinner qualities are available for non-floor use only.

Slip Resistance
DRF rubber is designed to offer a good degree of slip resistance underfoot in dry conditions, however it can still be slippery when wet. To minimise the risk of slippage it is important to use effective entrance matting around all external entrances. We recommend the use of entrance mats manufactured by EMS Limited, please refer to: **www.entrance-matting.com**

Colour Variation
As we make our products to order it is essential that all the material required for each installation is ordered in one batch to avoid variation in colour. Our ranges are manufactured differently in order to achieve the various designs. Due to this when two products are ordered in the same colour it is not possible to obtain an exact colour match between them. The necessary stripping and sealing process will further change the appearance of the rubber.

Colour Reproduction
The samples we provide are designed to give you an accurate representation of colour. However, you should note that due to the manufacturing process, colours may vary slightly from batch to batch. As with any type of colour sampling, they may be subject to slight variation over time. We are happy to send out new samples as and when required.

Colour Fastness
DRF rubber is manufactured in accordance with DIN EN 12199. Its colour stability is measured to Blue Scale <6 (colour fast, ultra violet and ozone resistant). For installations that are likely to be exposed to high levels of UV we recommend our Extra UV Stabilised special quality flooring as this offers a higher degree of resistance.

Underfloor Heating
DRF rubber is suitable for use with some underfloor heating systems. Prior to installation it is important to obtain confirmation from the underfloor heating supplier that the specified system is compatible with a resilient floor covering.

Temporary Exhibitions, Events and Stands
Our rubber is eye catching, versatile and colourful therefore the perfect solution for use on exhibition stands and for events. We can recommend solutions to install your rubber on a temporary basis without damaging the subfloor or the rubber, making it reusable. Visit **www.alansonuk.com** for details on their NEC certified tape.

Eco-Friendly Natural Rubber

Why choose Natural Rubber for your project?

All of our collections are available in both Natural Rubber and SBR Rubber. If you require our Eco-Friendly Natural Rubber it is produced using different ingredients, please ensure that you specify your flooring to be manufactures this way; to do this simply prefix the collection name with **'Eco-Friendly'**

Natural rubber is a rapidly renewable raw material. The Hevea Brasiliensis rubber trees live for around 30 years, during which time they continuously produce latex. The trees which are utilised are ethically sourced from well managed Rubber Plantations, adding to the country's economy and benefiting the wellbeing and lifestyles of the local communities. As well as excellent properties including strength, elasticity, resistance to change in temperature, impermeable to gases, resistant to heat, electricity, chemical action and abrasion, it also inhibits the build up of friction from heavy traffic and is stain and damage resistant. It has a long life expectancy (hence 10 year guarantee).

Rubber creates a hygienic surface with prolonged life which in turn reduces the cost of replacement and subsequent waste. A 'Buildings Life Cycle' is typically only made up of 20% construction and a massive 80% maintenance hence choosing a better product in the first instance reduces costs. When planning for the future it is essential to create the most sustainable, eco-conscious building that will last and look great for many years. Renewal of flooring is not only expensive but is also disruptive for business and the people using the building. Due to the naturally dense surface no PVC coatings are required thus creating a much healthier internal environment which is easier to clean and less susceptible to dirt.

Products are tested and regulated to the following standards:

- COV (CDPH IAQ) and COV (ISO 16000
- COV G13931C (CDPH IAQ) and COV G13931A (ISO 16000
- These reports can be used for Floor score, Gleenguard and LEED project
- More testing has been carried out according to European Standard EN ISO 1600
- Comparable to AgBB, GUT, BLUE ANGEL and CDPH section 01350 but with higher standard requirement
- BREEAM in Norway