

Enka®Flex S15

Shock Pad / Drain Solutions

Description

EnkaFlex S15 is a light and flexible sandwich material, composed of a core made from 3D entangled polymeric mono-filaments, covered on both sides with filter fabric. The three components are thermally bonded over their entire surface.

EnkaFlex S15 acts as shock absorption and drainage layer 'in one' under (sand and/or rubber) filled artificial turf. It may be used under any type of artificial grass for sports like soccer, football or field hockey. The product performs well on an engineered as well as on a dynamic sub base.

EnkaFlex S15 is 15 mm thick and is cut to a width of 95 cm / 37.5 inch. EnkaFlex S15 is produced on a roll and can be made at custom length to fit specific installation requirements.

- Recommended Applications**
- Artificial turf sports field constructions (a.o. soccer, field hockey)
 - Recreational Areas
 - Playgrounds

- Features and Benefits**
- Contribution to shock absorption
 - High vertical drainage capacity
 - Flexible and light-weight material
 - Fast installation

Physical Properties	Value	Test Method
Colour core	Black	
Filter Fabric	Grey, nonwoven layer	
Weight	32.5 oz/yd ² / 1100 g/m ²	EN ISO 9864
Free flowing space	> 95 %	
Thickness (2 kPa)	0.59 inch / 15 mm	EN ISO 9863-1
Matting density	123 lb/yd ³ / 73 kg/m ³	
Tensile Strength	0.94 MPa	EN 12230: 2003
UV stabilisers	Carbon black and others	
Working temperature	- 22 to 175 °F / -30 to +80 °C)	
Dimensional stability	< 0.5%	EN 13746: 2004
Thermal conductivity	< 0.07 W/m.K	EN 12667: 2001

Values are MARV Minimum Average Roll Value

TDS_SPT_ENG_EnkaFlex S15_03/2020

Packaging	ID	Pad width	Length	Area per roll	Roll height	Gross weight	Roll diameter
	Enka [®] Flex S15	95cm / 37.5"	60m / 197ft	57m ² / 590ft ²	1m / 38"	70 kg / 154 lb	< 1m / 39"

Individual values may vary from above mentioned data.

Performance	Value	Test Method
Compression strength (@25%)	82 kPa / 12 psi	ASTM D3575 (Suffix D)
Compression strength (@50%)	138 kPa / 20 psi	ASTM D3575 (Suffix D)
Flow capacity @ 10 kPa / 1.5 psi		
Gradient i = 1	4.031 l/m.s / 19.5 gal/min/ft	EN ISO 12958
Gradient i = 0.3	0.522 l/m.s / 2.52 gal/min/ft	EN ISO 12958
Gradient i = 0.01	0.253 l/m.s / 1.22 gal/min/ft	EN ISO 12958
Force Reduction *	35 %	Advanced
Energy Restitution *	52 %	Artificial
Vertical Deformation *	0.21" / 5.3 mm	Athlete

* Tested by Sports Labs, UK

Availability For additional details contact your nearest sales office.