

SFL ROCKSHIELD 11 MM

Product Information

Product description: SFL Rockshield 11 mm is a pipeline protection mesh for protecting pipeline coatings from rock backfills. It cushions the impact of rocks or hard backfill which can cause damage to installed coating systems. It also offers protection from abrasive objects after installation of coated systems, prohibiting geologic movements from damaging pipelines. It can also be used for offshore purposes to protect against impact damage by lay barge rollers, anchors, rock placement, infill, and fishing (trawl) activities.

SFL Rockshield 11 mm is a diamond structured mesh manufactured from high density polyethylene to produce a strong cushioning structure.

Features:

- · Flexible for easy handling at low temperatures
- Chemically inert, will not rot
- High impact strength and tensile strength
- Manufactured to withstand extreme weather conditions
- Available in rolls
- Open mesh structure allows flow of water

Benefits:

- Fast and easy application
- Light weight material compared to alternatives
- · Cathodic protection will not negatively be influenced

Application examples

Pipe coatings: Protection of coating materials applied on buried or submerged pipes against damages from rocks or geological movements. Offshore pipes: Protection of coating materials during pipe lay, anchors, rock placement, infill and fishing (trawl) activities. Splash-zone & underwater installation: Protection of critical infrastructure like wooden quay walls and piles

Product properties of SFL Rockshield 11 mm		
Colour	Black	
Thickness	11 mm [⁷ / ₁₆ "]	
Temperature range	≤ -30 °C to ≤ +100 °C [-22 to +212 °F]	
Weight	1700 g/m² (50 oz / yd²)	
Mesh Count	MD – 22	
	TD – 19	
Aperture Size	Nominal 4 x 4 mm (⁵ / ₃₂ x ⁵ / ₃₂ ")	
Impact resistance	Typical value 17 Joules (150 in.lb)	
(ASTM G14)		
Compressive strength	At 50% deformation	
(ASTM D 1621)	> 600 Kpa (87 psi)	
Tensile Strength MD	>14.9 KN/m	
(ASTM D4595)	(1021 lb/ft)	
Elongation @ break	MD: >70 %	
(ASTM D4595)	TD: > 77%	
Tear strength MD/TD	MD:> 153 N (14.8 Lb)	
(ASTM D624)	TD: > 130 N (16.1 Lb)	
Ball bursting Strength	≤ 700 N (157 Lb)	
(ASTM D3787)		
Melt temperature	>130 C (266 F)	
(ASTM E793)		

Application instruction - Brief version			
Detailed application instructions are available from Seal For Life Industries.			
Additional materials	Installation of SFL Rockshield 11 mm requires the use		
	of complementary SFL Strappingband. Please contact Seal For Life Industries for additional information.		
Equipment, tools and	Installation of SFL Rockshield 11 mm requires the use		
auxiliaries	of SFL Strappingtool, and SFL Strappingband roll		
	carrier. Please contact Seal For Life Industries for		
	additional information.		
Application	SFL Rockshield 11 mm must be wrapped around the		
	entire circumference of the pipe with sufficient		
	circumferential overlap onto itself. Fixation of SFL		
	Rockshield 11 mm to the pipe is accomplished by		
	application of complementary SFL Strappingband.		

General order information			ining in a
Product 11 mm (⁷ / ₁₆ ")	SFL Rockshield 11 mm is available in rolls with following dimensions (W x L): 1 m x 30.48 m (3'3" x 33 yds) Customized pre-cut sizes on request	Handling and Commi Exposure to loads	Objects coated with SFL Rockshield 11 mm should not be exposed to excessive loads e.g. from lifting equipment.
Handling	Heavy weight rolls, handle with care.	Immersion or burying	Immersion or burying is possible immediately after completion of the application. Backfill and compact
Storage	Store away from direct sunlight in a cool place. Unlimited shelf life.		with clean sand and filling material without sharp stones or hard lumps of soil.

Information	
Documentation	Extensive information is available on our web-site. Application instructions and other documentation can be obtained by contacting our head office, from our local distributor or by sending email to info@sealforlife.com
Certified staff	Application of the described coating system should be carried out by certified personnel.



Seal For Life Industries - Stopaq B.V. Stadskanaal, the Netherlands Tel: +31 599 696 170 Seal For Life Industries BVSeal ForWesterlo, BelgiumSTel: +32 14 722 500Tel.

 Seal For Life Industries US LLC
 Seal For Life Industries Mexico

 San Diego, USA
 S de R.L. de C.V.

 Tel. +1 858 633 9785
 Tijuana, Mexico

 US Tei: +1 858 633 9785
 US Tei: +1 858 633 9785

 Bail For Life Industries Mexico
 Seal For Life India Private Ltd.

 S de R.L. de C.V.
 Baroda, India

 Tijuana, Mexico
 Tel: +91 2667 264 721

 US Tel: +1 858 633 9785
 MX Tel: +52 664 647 4300

Further information is available on our website www.sealforlife.com, or by sending an inquiry to info@sealforlife.com

DISCLAIMER: Seal For Life Industries warrants that the product conforms to its chemical and physical description and is appropriate for the use stated on the technical data sheet when used in compliance with Seal For Life Industries' written instructions. Because many installation factors are beyond the control of Seal For Life Industries, the user shall determine the suitability of the products for the intended uses and assume all risks and liabilities in connection herewith. Seal for Life's liability is stated in its General Terms and Conditions of Sale. Seal For Life Industries warranty either express or implied. All information contained in this technical data sheet is to be used as a guide and is subject to change without notice. This technical data sheet supersedes all previous data sheets on this product.