

SFL ROCKSHIELD 4 MM

Product Information

Product description: SFL Rockshield 4 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 4 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

General order information

Product		SFL Rockshield 4 mm is available in rolls with
		following dimensions (W x L):
	4 mm (⁵ / ₃₂ ")	2 m x 30.48 m (6' 6 ¾" x 33 yds)
		Customized pre-cut sizes on request
Handling		Heavy weight rolls, handle with care.
Storage		Store away from direct sunlight in a cool place.
		Unlimited shelf life.

Product properties of SFL Rockshield 4 mm		
Colour	Black	
Thickness	4 mm [⁵ / ₃₂ "]	
Temperature range	\leq -30 °C to \leq +100 °C [-22 to +212 °F]	
Weight	575 g/m² (17 oz / yd²)	
Mesh Count	18 per 20 cm (8")	
Aperture Size	Nominal 9 x 9 mm (²³ / ₆₄ " × ²³ / ₆₄ ")	
Impact resistance	Typical value 11 Joules (100 in.lb)	
(ASTM G14)		
Compressive strength	At 10% deformation	
(ASTM D 1621)	> 1720 Kpa (250 psi)	
Tensile Strength MD	>4.4 KN/m	
(ASTM D4595)	(298 lb/ft)	
Elongation @ break	MD: >110%	
(ASTM D4595)	TD: > 95%	
Tear strength MD/TD	MD:> 130 N (29.2 Lb)	
(ASTM D624)	TD: > 100 N (22.5 Lb)	
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 4 mm requires the use of complementary SFL Strappingband. Please contact Seal For Life Industries for additional information. Equipment, tools and Installation of SFL Rockshield 4 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 4 mm must be wrapped around the entire circumference of the pipe with sufficient circumferential overlap onto itself. Fixation of SFL Rockshield 4 mm to the pipe is accomplished by application of complementary SFL Strappingband.

Handling and Commisioning			
Exposure to loads	Objects coated with SFL Rockshield 4 mm should not be exposed to excessive loads e.g. from lifting equipment.		
Immersion or burying	Immersion or burying is possible immediately after completion of the application. Backfill and compact 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 BV
 Seal For

 Westerlo, Belgium
 3

 Tel: +32 14 722 500
 Tel

 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 Tel: +1 858 633 9785
 US Tel: +1 858 633 9785

 sal 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 marks and intervention for suitability of the products of 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 makes no other 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.