

SFL ROCKSHIELD™ 11 MM

Product Information

Product description: SFL RockShield™ 11 mm is a pipeline protection mesh for protecting pipeline coatings from rocky 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 the pipeline. 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 that produces a strong cushioning structure.

Features:

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

Benefits:

- Fast and easy application
- Light weight material compared to alternatives
- Non-shielding to cathodic protection systems

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™ 11 mm is available in rolls with
	following dimensions (W x L):
11 mm (⁷ / ₁₆ ")	1 m x 30.48 m (3'3" 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	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	28 in 20 cm		
Aperture size	4 x 4 mm (5/32" x 5/32") [nominal]		
Impact resistance (ASTM G14)	> 17 Joules (150 in-lb)		
Compressive strength (ASTM D 1621)	> 600 kPa (87 psi) [at 50% deformation]		
Tensile strength MD (ASTM D4595)	> 14.9 kN/m (1021 lb/ft)		
Elongation at break	> 70% [MD]		
(ASTM D4595)	> 77% [TD]		
Tear strength	> 153 N (14.8 lb) [MD]		
(ASTM D624)	> 130 N (16.1 lb) [TD]		
Ball bursting Strength	> 700 N (157 lb)		
(ASTM D3787)	> 100 14 (157 10)		
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 auxiliaries	Installation of SFL RockShield™ 11 mm requires the use 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.	

Handling and Commissioning	
Exposure to loads	Objects coated with SFL RockShield™ 11 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
Certified staff	info@sealforlife.com Application of the described coating system should
Certifica Staff	be carried out by certified personnel.



Tel: +31 599 696 170

Seal For Life Industries BV Westerlo, Belgium Tel: +32 14 722 500

San Diego, USA

Seal For Life Industries US LLC Seal For Life Industries Mexico S de R.L. de C.V. Tijuana, Mexico US Tel: +1 858 633 9785 MX Tel: +52 664 647 4300

Seal For Life India Private Ltd. Baroda, India

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 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.

VN 4 / 20211102 (EN) Page 1 / 1