

## 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

<b>Product</b>	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
<b>11 mm (7/16")</b>	
<b>Handling</b>	Heavy weight rolls, handle with care.
<b>Storage</b>	Store away from direct sunlight in a cool place. Unlimited shelf life.

### Product properties of SFL RockShield™ 11 mm

<b>Colour</b>	Black
<b>Thickness</b>	11 mm (7/16")
<b>Temperature range</b>	-30 °C to +100 °C (-22 to +212 °F)
<b>Weight</b>	1700 g/m <sup>2</sup> (50 oz/yd <sup>2</sup> )
<b>Mesh count</b>	28 in 20 cm
<b>Aperture size</b>	4 x 4 mm (5/32" x 5/32") [nominal]
<b>Impact resistance (ASTM G14)</b>	> 17 Joules (150 in-lb)
<b>Compressive strength (ASTM D 1621)</b>	> 600 kPa (87 psi) [at 50% deformation]
<b>Tensile strength MD (ASTM D4595)</b>	> 14.9 kN/m (1021 lb/ft)
<b>Elongation at break (ASTM D4595)</b>	> 70% [MD] > 77% [TD]
<b>Tear strength (ASTM D624)</b>	> 153 N (14.8 lb) [MD] > 130 N (16.1 lb) [TD]
<b>Ball bursting Strength (ASTM D3787)</b>	> 700 N (157 lb)
<b>Melt temperature (ASTM E793)</b>	> 130 °C (266 °F)

### Application instruction - Brief version

Detailed application instructions are available from Seal For Life Industries.	
<b>Additional materials</b>	Installation of SFL RockShield™ 11 mm requires the use of complementary SFL Strappingband. Please contact Seal For Life Industries for additional information.
<b>Equipment, tools and auxiliaries</b>	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.
<b>Application</b>	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

<b>Exposure to loads</b>	Objects coated with SFL RockShield™ 11 mm should not be exposed to excessive loads e.g., from lifting equipment.
<b>Immersion or burying</b>	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

<b>Documentation</b>	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 <a href="mailto:info@sealforlife.com">info@sealforlife.com</a>
<b>Certified staff</b>	Application of the described coating system should be carried out by certified personnel.