

RedOne Rockshield



Highest Impact rating in its class. Lightweight corrugated flexible PVC mat with strands being extruded on edge to produce a high impact resistant shield for pipelines. Easy to install protection for all pipes and pipe coatings from hazards in backfill operations and soil stresses.



FEATURES

- High impact strength
- High tensile strength
- Excellent puncture resistance
- Cost effective
- Lightweight / easy to handle and install
- Resists bacteria and fungus attack
- Absorbs impact of uneven back fill
- Unaffected by temperature and wet weather
- Protects pipe coating from protruding rock in trench
- Shipped in convenient liftable pallet bags



APPLICATION METHOD

Parallel Installation:

Unroll Material parallel to the pipe and wrap around pipe. Fasten with tape, plastic ties or other secure material.



Circumferential Installation:

Sheets need to be cut to match pipe circumference plus some overlap. Wrap sheet around pipe width. Fasten with tape, plastic ties or other secure material.



PROPERTY	TEST METHOD	RESULTS
Impact Strength	ASTM G14	160 inch pounds
Tensile Strength	ASTM D1000	24.5 lbs/inch
Elongation	ASTM D1000	135%
Tear Strength	ASTM 624	49 lbs/ inch
Puncture Resistance	ASTM G17	39% (average of 10 tests) *
Bacteria Resistance	ASTM G22	Excellent
Fungi Resistance	ASTM G22	Excellent
Impact Resistance	ASTM G13	5mm passed 6" limestone drop test from 6 ft **

* Using 1/4" Penetrating rod resulting in a load of 200 lb/sq inch for 48 hours

** Tested at Alberta Research Council, 2006. 10 drops of 50 lbs of limestone from 6 ft

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