

RedOne™ Rock Shield

Pipe Coating Protection



FEATURES

RedOne™ rock shield provides long-term protection to pipeline coatings at risk of mechanical damage during backfill or while in service without shielding cathodic protection.

Spiral Wrap

Wrap RedOne™ around pipe, keeping a recommended 4" overlap between seams.

Sheets

Cut to match pipe circumference plus a recommended 4" overlap and secure with ties or tape.

Parallel Installation

Unroll entire RedOne™ roll along the length of pipe so overlap meets at 6 o'clock and secure with ties or tape.

RED ONE

R O C K S H I E L D

RECOMMENDED USE

RedOne™ is installed over the finished coating on steel pipelines from sizes 2" to 56" NPS.

***KEYMAY** stands proudly behind our products and has completed over 1,150 hours of material testing at ISO 17025 accredited labs. Designed with the environment in mind, RedOne™ passes all composition testing in accordance with the Environmental Protection Act.*



Available Sizes

ROLL	UNIT	24"X30' RedOne™	36"X30' RedOne™	48"X34' RedOne™	72"X34' RedOne™
Width	ft.	2.0	3.0	4.0	6.0
	m	0.61	0.91	1.2	1.8
Length	ft.	30	30	34	34
	m	9.1	9.1	10.4	10.4
Weight	lbs.	55	80	120	182
	kg	25	36	55	83
Area	ft²	60	90	136	204
	m²	5.6	8.3	12.9	18.9

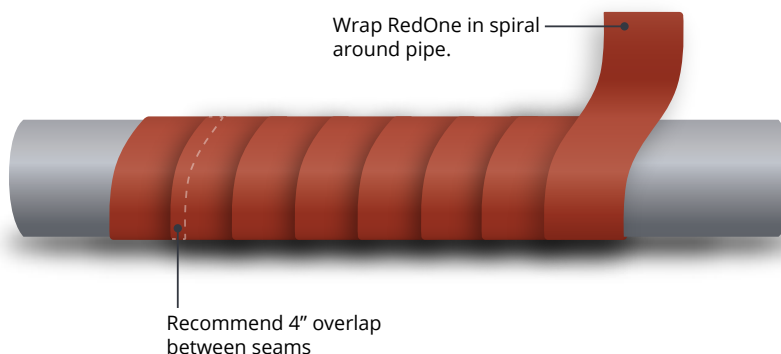
* Custom sheet sizes available upon request

PROPERTY	TEST METHOD	TEST FOCUS	TYPICAL RESULTS
Impact Resistance (Falling Weight Test)	ASTM G14-04	Impact Strength @ 48" drop height	PASS (>154 lbs)
Impact Resistance (Limestone Drop Test @Ambient conditions)	ASTM G13/G13M-13	10 drops (max) from 6 ft. with 35 lbs. limestone	PASS
Impact Resistance (Limestone Drop Test @ -30°C)	ASTM G13/G13M-13	10 drops (max) from 6 ft. with 35 lbs. limestone	PASS
Tear Strength	ASTM D624-00 (2012)	Tear strength average	15.1 lb.f/in
Cathodic Protection(CP) Shielding*	CSA Z245.20-2014, Section 12.8	Disbondment radius and hydrogen gas evolution	Non-shielding
Heavy Metal Analysis by ICP-OES	IEC 62321-5:2013	Presence of Cadmium Lead, Mercury, Heavalent Chrommium	Not Detected
Leachate Analysis	EPA: Ontario Regulation 347, Schedule 4, Revision 588	Concentration of Leachable Polycyclic Aromatic Hydrocarbons (PAHs)	Not Detected

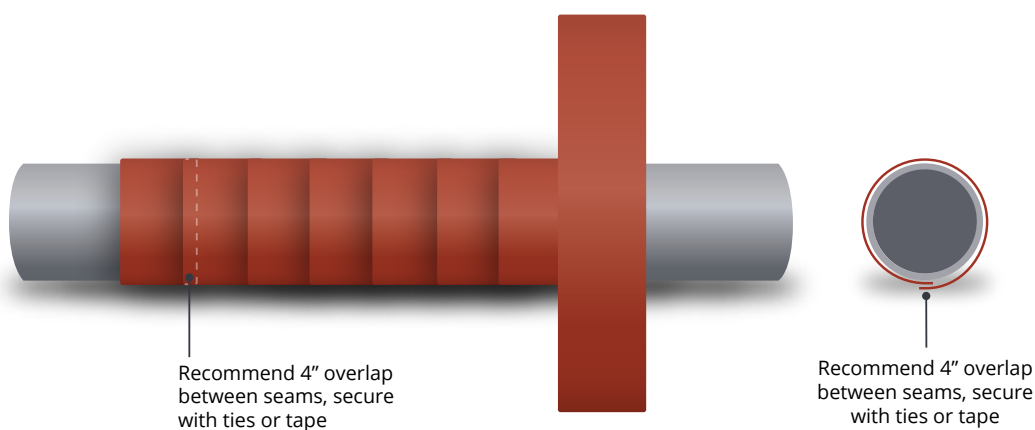
* Modified to cover intentional holiday with rock shield sample

FEATURES AND INSTALLATION GUIDELINE

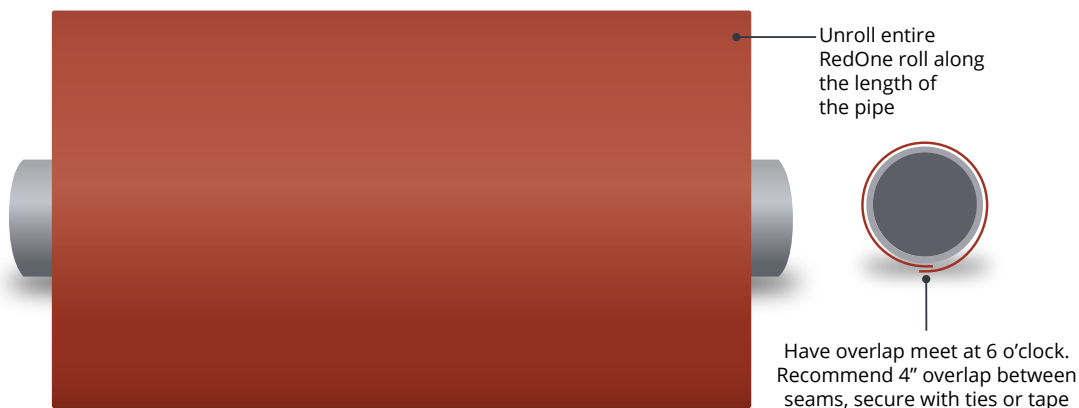
SPIRAL WRAP



SHEETS



PARALLEL INSTALLATION



CONVENIENT SHIPPING
AND DELIVERY



EASY TO
INSTALL



SUPERIOR
PUNCTURE
RESISTANCE



NON-LEACHING
AND FREE OF
HEAVY METALS



HIGH IMPACT AND
TENSILE STRENGTH