



ITL Reinforced Concrete Roll®

ITL RCR® Solutions

SAVE TIME AND INSTALLATION COSTS WITH ITL REINFORCED CONCRETE ROLL®



Bank Stabilization



Culvert Repair



Irrigation Canal



Erosion Control



Swale



Splash Pad

UNROLL AND GO IN A FRACTION OF THE TIME.

STRONG & VERSATILE

ITL Reinforced Concrete Roll® is a dry powdered cement mix that is needle-punched between two sheets of non-woven polypropylene. When rolled out and hydrated, ITL RCR® takes shape into a durable structure suitable for reinforcement or protective lining.

REDUCE CARBON FOOTPRINT

ITL Reinforced Concrete Roll® is a friendlier solution to conventional erosion control methods such as traditional concrete, shotcrete, grout blankets and rip-rap.



Available in two thicknesses: 7mm and 12mm.

U.S. Distribution Centers

Moses Lake, Washington | Fostoria, Ohio | Odessa, Texas
www.itlRCR.com | 1 (800) 346-7744

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Technical Data	ITL RCR®	RCR-7®		RCR-12®		
		Imperial	Metric	Imperial	Metric	
	Roll Width/Length		16' 4" x 65' 7"	5m x 20m	16' 4" x 65' 7"	5m x 20m
Total Coverage		1,076 ft²	100m	1,076 ft²	100m	
Weight		1,700 lbs/roll	770 kg/roll	2,850 lbs/roll	1,290 kg/roll	
Properties of ITL RCR® - Before Hydration	Test Method	Imperial	Metric	Imperial	Metric	
Thickness	ASTM D5199	0.33 inches	8.45 mm	0.51 inches	13.1 mm	
Mass / Unit Area	ASTM D5993	1.5 lb/ft²	7.31 kg/m²	2.76 lb/ft²	13.47 kg/m²	
Tensile Strength	<u>Machine Direction</u> <u>Transverse Direction</u>	ASTM D6768	217 lbs/inch	38.1 N/m	136 lbs/inch	23.9 N/m
			102 lbs/inch	17.9 N/m	191 lbs/inch	TD = 33.5 N/m
Density	ASTM D5993/ ASTM D5199	54 lb/ft³	865 kg/m³	64.4 lb/ft³	1031 kg/m³	
Properties of ITL RCR® - After Hydration	Test Method	Imperial	Metric	Imperial	Metric	
Specimen Preparation per ASTM D8030						
Compressive Strength	<u>24 hour cure</u> <u>7 day cure</u> <u>28 day cure</u>	ASTM C109	5,303 psi	36 MPa	5,303 psi	36 MPa
			6,823 psi	47 MPa	6,823 psi	47 MPa
			7,222 psi	50 MPa	7,222 psi	50 MPa
Thickness	ASTM D5199	0.37 inches	9.3 mm	0.54 inches	13.6 mm	
Flexural Strength	<u>Machine Direction</u> <u>Transverse Direction</u>	ASTM D8058	5.31 lb/in	930 N/m	13.6 lb/in	2373 N/m
Initial Breaking Load			3.6 lb/in	630 N/m	14.3 lb/in	2497 N/m
Puncture Resistance	ASTM D5494	2,366 lbs	10.5 kN	3,782 lbs	16,8 kN	
Freeze-Thaw	<u>Machine Direction</u> <u>Transverse Direction</u>	ASTM C1185	4.1 lb/in	717 N/m	13.3 lb/in	2323 N/m
Initial Breaking Load			5.4 lb/in	936 N/m	13.7 lb/in	2400 N/m
Tensile Strength - Final	ASTM D4885	258 lbs/in	36,539.6 kN/m	264 lbs/in	38,332.3 kN/m	
Permeability	ASTM D5887	5.25E-09 ft³/ft²/sec	1.60E-09 m³/m²/sec	Testing only performed on RCR-7		
		3.20E-11 ft³/ft²/sec	9.74E-12 m³/m²/sec			
Abrasion Resistance - per 1,000 cycles	ASTM C8329	Refer to RCR-12 testing values		0.014 in	0.36 mm	
Large-Scale Channel Testing Determination by Trapezoidal Channel	ASTM D6460	Refer to RCR-12 testing values		0.022 Manning's n		
Reaction to Fire	PN EN 12467:5.6	Refer to RCR-12 testing values		B,s1,d0		
ITL RCR® Certifications		Test Method		Acceptance Number		
Mine Safety and Health Administration U.S. Department of Labor		Acceptance of Flame-Resistant Solid Products Taken into Mines		MSHA IC-375/02		

Contact us for a free product sample!

Leo Cortez

Product Manager

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Email: leoc@inlandtarp.com

Learn more at itlRCR.com

PREMIUM QUALITY. BUILT TO LAST.

OVER 40 YEARS OF PROVIDING QUALITY PRODUCTS.

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