



ITL Reinforced Concrete Roll®

ITL RCR® Solutions

UNROLL AND GO IN A FRACTION OF THE TIME.



Erosion Control



Irrigation Canal



Containment Pond

Efficient and cost effective.

ITL Reinforced Concrete Roll® is a dry powdered concrete that is encapsulated between two pieces of non-woven geotextile. When rolled out and hydrated, it takes shape into a durable structure suitable for reinforcement or protective lining at a fraction of the installation time of conventional concrete pours.

CEMENT-SAND MIX

Within 3-5 hours, ITL Reinforced Concrete Roll® can be walked on, within 24 hours it's hard enough to drive on, and within 28 days it's cured and reached maximum compression strength. It's a game changer for conventional projects and remote locations.

GEOTEXTILE

One side of ITL RCR® is made up of Polypropylene (PP), a 6-ounce, non-woven geotextile. The other side of ITL RCR® is a composite of 6-ounce non-woven PP and 4.5 ounce calendered non-woven PP that is needle-punched together.

SIZE

Standard roll size is 16' 4" wide x 65' 7" long, or 1,076ft². Each roll weighs 2,800 pounds or 1,300 kg.

The certified quality of our product also enhances on-site construction safety.

EROSION CONTROL

Where conventional concrete is cost prohibitive, ITL Reinforced Concrete Roll® provides a flexible solution that exceeds performance expectations and longevity compared to concrete erosion control options.

CHANNEL LINING/IRRIGATION CANALS

ITL Reinforced Concrete Roll® is making channel lining and repairs far less intensive than conventional cement repairs. After rolling out, securing, and then hydrating, ITL RCR® can be used within hours.

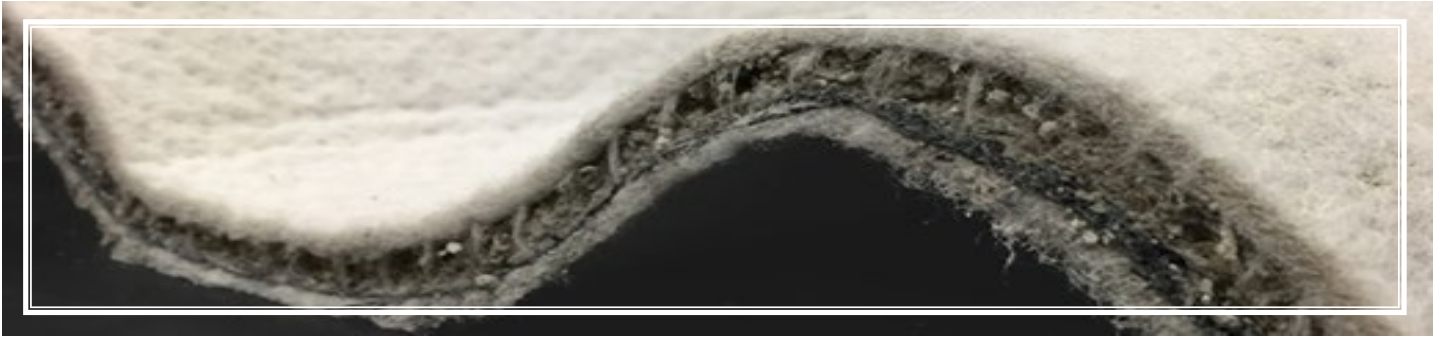
CONTAINMENT PONDS/CEMENT WELLS

ITL Reinforced Concrete Roll® can be unrolled through standing or running water and will cure to meet structural integrity requirements for strength and impermeability.

U.S. Distribution Centers

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

ITL RCR® Solutions



TECHNICAL DATA		Imperial Value	Metric Value
		Roll Width/Length - 16' 4" x 65' 7"	Roll Width/Length - 5m x 20m
		Total Coverage = 1,076ft ²	Total Coverage = 100m ²
Properties of geotextile	Test Method	Imperial Value	Metric Value
Carrier Layer - PP Nonwoven Composite	EN ISO 9864	10.3 oz/yd ²	350 g/m ²
Cover Layer - PP Nonwoven	EN ISO 9864	5.9 oz/yd ²	200 g/m ²
Properties of concrete	Test Method	Imperial Value	Metric Value
Chemical Composition	XRF Spectroscopy	Sand-Cement Mix	
Density	Typical	89 lb/ft ³	1,42 g/cm ³
Setting start	PN-EN 196-3	> 90 minutes	
Properties of ITL RCR® Before Hydration	Test Method	Imperial Value	Metric Value
Tensile Strength MD/CMD	EN ISO 10319	≥ 14,750 / 14,750 lbs./ft ² (± 10%)	≥ 20,0 / 20,0 kN/m (± 10%)
CBR Puncture Strength	EN ISO 12236	≥ 2,200 lbs./ft ² (± 10%)	≥ 3,0 kN/m (± 10%)
Properties of ITL RCR® After Hydration	Test Method	Imperial Value	Metric Value
Compressive Strength after 5 hours	ASTM C 109-02	1,100 psi	7,6 MPa
Compressive Strength after 1 day	ASTM C 109-02	8,200 psi	56,2 MPa
Compressive Strength after 7 days	ASTM C 109-02	11,400 psi	78,3 MPa
Compressive Strength after 28 days	ASTM C 109-02	12,313 psi	84,9 MPa
Bending Strength	PN EN 12467:2016-8 5.4.3	1,131 psi	7,8 MPa
Water Impermeability	PN EN 12467:2016-8 5.4.5-6	Compliant in accordance with standard	
Durability against Freeze-Thaw	PN EN 12467:2016-8 5.5.2	Factor R _L ≥ 0,75 (0,78)	
Durability against Heat-Rain	PN EN 12467:2016-8 5.5.3	Compliant in accordance with standard	
Durability against Warm Water	PN EN 12467:2016-8 5.5.4	Factor R _L ≥ 0,75 (0,77)	
Durability against Soak-Dry	PN EN 12467:2016-8 5.5.5	Factor R _L ≥ 0,75 (0,81)	
Reaction to Fire	PN EN 12467:2016-8 5.6	A2s1, d0	

Contact us for a free product sample!

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 Learn more at itlrcr.com

PREMIUM QUALITY. BUILT TO LAST.
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