

Single Use Wet Curing Blankets

Superior Hydration

When floor appearance is everything, UltraCure™ is the wet curing method chosen by top professionals to provide thorough hydration, less discoloration and a more evenly cured slab. Unlike other single-use blankets which tend to dry out after 3-4 days, UltraCure NCF™ (Natural Cellulose Fabric) provides constant hydration and maintains a 100% relative humidity condition on the slab for the entire 7 day curing period.

Wet Curing

- Increases concrete strength and durability
- Reduces permeability of concrete
- Improves abrasion resistance
- Reduces cracking, crazing, dusting and efflorescence
- Helps prevent plastic shrinkage cracking
- Can add 25% to the life of the slab

The Right Choice



Indoor / Outdoor / 7 day features super absorbent fibers that effectively trap water and serve as a hydrating reservoir for the slab as it cures. UltraCure NCF™ also features a opaque reflective poly backing which provides a constant visual reinforcement that the slab remains wet for the entire curing period.

- Lightweight: each roll weighs approx. 50 pounds
- Rolls out flat and stays flatter than many other wet cure methods which reduces trapped air and discoloration.
- Rolls come with fabric side out, making it easier to install
- No Taping seams

After proper placement and finishing of suitable quality concrete, curing is the single most important factor in achieving a high quality slab. —ACI 302 R1-04

Why UltraCure Works

UltraCure™ blankets feature natural cellulose, super absorbent, non-staining fibers that effectively trap water, provide thorough hydration, less discoloration and a more evenly cured slab. UltraCure NCF also features a opaque poly backing which provides constant visual reinforcement that the slab remains wet for the entire curing period. The superior water retention ability of UltraCure NCF allows the blanket to absorb more than 41 gallons of curing water per 1,600 sq. ft. roll, providing the critical moisture required for the long-term wet curing of concrete surfaces.

Cost Effective

Using UltraCure NCF™ also helps reduce material costs, installation labor, re-wetting time and costs, totally eliminates the need of costly storage and transportation of traditional wet cure methods.



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UltraCure NCF™ Disposable Wet Cure Blanket Material Specification: UltraCure NCF™ moisture-retaining coverings by McTech Group, Inc. are natural colored, non-staining cellulose fabrics with opaque and impervious coating applied to one side. The impervious coating is also a non-perforated and reflective vapor barrier which provides UV protection. The moisture retaining covers have a tensile strength meeting ASTM D- 882 and a minimum retention capacity of 6.5(g). Material shall meet or exceed ASTM C171-03, ASTM C171-97a and AASHTO M171-00, standard specifications for sheet material for curing concrete slabs or pavement. The superior water retention ability of UltraCure NCF allows the blanket to absorb more than 41 gallons of curing water per 1,600 sq. ft. roll, providing the critical moisture required for the long-term wet curing of concrete surfaces.

Application:

Place wet, UltraCure NCF™ wet cure covering in widest practical width as soon as concrete has hardened sufficiently to prevent surface damage. The Sides and end shall be lapped at least 3". Immediately repair any holes or tears during the curing period using wet cure material and water. Cover the entire surface area including edges of paving and sidewalks. Install UltraCure NCF™ moisture containing wet cure covering material as per manufacturer's written instructions. Wet surface of slab on- grade with 1/8" to 1/4" inch of water to cover entire surface area of slab, then slowly unroll the UltraCure NCF™ product onto slab using the roller squeegee applicator. No portion of this product shall be reused once it has been put into use on a slab on grade or other concrete application. Maintain UltraCure NCF™ in place on concrete for a period of not less than seven (7) days after placement. Continuous inspection for the purpose of maintaining 100 % curing blanket contact with surface to be cured is recommended

Physical Properties: UltraCure NCF™

Property		Value	ASTM Test Method
Caliper		1.4 mm	ASTM D - 5199
Tensile	TD	4783 psi	ASTM D - 882
	MD	4900 psi	
Elongation	TD	721%	ASTM D - 882
	MD	622%	
Elmendorf	TD	1500 g	ASTM D - 1922
	MD	350 g	
Dart		300 g	ASTM D - 1709
Reflectance		> 70%	ASTM E - 1447

TD= Transverse Direction MD= Machine Direction

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The information provided herein is based upon data believed to be reliable. All testing is performed with ASTM standards and procedures. All values are typical and nominal and do not represent either minimum or maximum performance of the product. Although the information is accurate to the best of our knowledge and belief, no representation of warranty or guarantee, express or implied, or merchantability, fitness or otherwise, is made as to product application for a particular use. ©2009, McTech Group, Inc. All rights reserved.