

GEOKURE™ Wet Curing Blanket - GEOKURE80

For Hot Weather Concrete Curing

Product Description

Geokure™ Wet Curing Blanket consists of a highly absorbent synthetic needle punched fabric coated with a white reflective film. Unlike burlap, it will not rot or mildew. Geokure™ Blankets are lightweight and disposable making them an economical choice in concrete curing and yet are versatile and strong enough to be reused when cared for properly.

Product Use

Geokure™ Wet Curing Blanket is a reflective blanket specifically designed to be hydrated and inhibit moisture loss during the curing process of concrete. It will also significantly reduce heating of the concrete surface caused by the sunlight in hot weather conditions.

The American Concrete Institute claims that moist curing is the best method for developing the strength of concrete and minimizes early drying shrinkage in their publication ACI 305R-99 (chapter 4.4.2)

Geokure™ Wet Curing Blanket meets and exceeds AASHTO M-171 and ASTM C-171, "Standard Specification for Sheet Materials for Curing Concrete" for moisture retention and daylight reflection.

Size & Packaging

Geokure™ Wet Curing Blanket is rolled with the absorbent fabric side out onto a heavy duty cardboard core for ease of handling and installation. Geokure Blankets are available in a standard size of 9' X 250' rolls. Custom lengths are offered with minimum order requirements.



Wet Curing Blanket

Product

Part

GEOKURE..... GEOKURE80

APPLICATIONS

Flat Work

Tunnels

Pavement

Building Construction

Roads

Decorative Concrete

Columns

Stained Concrete

Bridges



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PROPERTIES	TEST METHOD	GEOKURE80	
		Imperial	Metric
WEIGHT	ASTM D751	36 lbs./1000 ft ²	166 g/m ²
THICKNESS, NOMINAL	ASTM D5199	21 mil	0.53 mm
GRAB TENSILE STRENGTH	ASTM D5034	92 lbf	409 N
GRAB TENSILE ELONGATION	ASTM D5034	60 %	60 %
TRAPEZOID TEAR	ASTM D4533	36 lbf	160 N
PUNCTURE	ASTM D4833	56 lbf	249 N
IMPACT RESISTANCE	ASTM D1709 (B)	610 g	610 g
MULLEN BURST	ASTM D3786	126 psi	869 kPa
ELMENDORF TEAR	ASTM D1922	3075 g	3075 g
* LIGHT REFLECTANCE	ASTM E1347 Per ASTM C171-05	94 %	94 %
LIGHT REFLECTANCE REQUIREMENT	ASTM E1347 Per ASTM C171-05	Requires a reflectance of at least: 70 %	
* WATER LOSS (WVTR)	ASTM E96 Per ASTM C171-05	0.005 oz/ft ² /24hrs	1.4 g/m ² /24hrs
WATER LOSS (WVTR) REQUIREMENT	ASTM E96 Per ASTM C171-05	Requires a water transmission rate of no more than: 10 g/m ² in 24 hrs	

*Testing was conducted by an independent test facility; Bee Laboratory.

Geokure™ Wet Curing Blanket meets and exceeds the specification requirements of AASHTO M171 and ASTM C171.

GeoCure Wet Curing Blanket Installation Guidelines

1. Pre-wet concrete as required. Ideally flood the surface with water to approximately 1/8" deep or more. Use care to prevent erosion of the surface.
2. Apply curing blankets as soon as possible after placing & finishing the concrete without marring the surface.
3. Unroll curing blankets with the fabric side down toward the concrete and the white-coated side up.
4. Achieve a uniform layer of water under the blanket and use a roller squeegee to help secure the cover.
5. Observe the water content and add if needed.
6. Re-wetting may be required during the curing process depending upon weather conditions and specification requirements.
7. Overlap panels approximately 4" to seal in moisture.
8. Forms should also be covered and kept wet during the curing process.
9. Keep blankets in contact with the entire concrete surface at all times during the curing process.
10. Care should be taken so the concrete is not stained by impurities in the water or by soiled blankets.

Note: These are only suggested installation guidelines. Typical applications require a minimum of 7 days continuous wet curing, some specifications require up to 14 days. Please review your wet curing requirements for specified method and length of time required.

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GeoCHEM, Inc. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

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