

# Concrete Curing - Simplified.

**conkure™**

## Conkure™ Wet Curing Blanket. Standard Roll: 9' x 250'

CONKURE™ Wet Curing Blanket is manufactured with highly absorbent synthetic needle-punched fabric coated with a bright white reflective film. Unlike burlap, it prevents mold growth and rot. Conkure™ 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. Conkure's surface is highly reflective and the fabric is specifically designed to be hydrated and inhibit moisture loss during the concrete curing process.



## Moist Curing Best Practice

CONKURE™ Wet Curing Blankets significantly reduce heating of the concrete surface caused by 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).

Highly Absorbent Fabric » Maximum Water Retention  
Lightweight & Disposable » Inexpensive & Efficient  
High Tack Surface » Safer Foot Traffic  
Durable Fabric » Reusable with Proper Care  
Superior Surface Contact » Smooth Even Curing  
Meets & Exceeds: AASHTO M171 & ASTM C171

# CONKURE™ Wet Curing Blanket - CONKURE80

For Hot Weather Concrete Curing

| PROPERTIES                           | TEST METHOD                    | CONKURE80  |                             |
|--------------------------------------|--------------------------------|--|-----------------------------|
|                                      |                                | Imperial   | Metric                      |
| <b>WEIGHT</b>                        | ASTM D751                      | 36 lbs/MSF   | 166 g/m <sup>2</sup>        |
| <b>THICKNESS, NOMINAL</b>            | ASTM D5199                     | 21 mil   | 0.53 mm                     |
| <b>GRAB TENSILE STRENGTH</b>         | ASTM D5034                     | 99 lbf   | 440 N                       |
| <b>GRAB TENSILE ELONGATION</b>       | ASTM D5034                     | 64 %   | 64 %                        |
| <b>TRAPEZOID TEAR</b>                | ASTM D4533                     | 39 lbf   | 173 N                       |
| <b>PUNCTURE</b>                      | ASTM D4833                     | 46 lbf   | 205 N                       |
| <b>IMPACT RESISTANCE</b>             | ASTM D1709 (B)                 | 532 g  | 532 g                       |
| <b>MULLEN BURST</b>                  | ASTM D3786                     | 169 psi  | 1165 kPa                    |
| <b>ELMENDORF TEAR</b>                | ASTM D1922                     | 5500 g   | 5500 g                      |
| * <b>LIGHT REFLECTANCE</b>           | ASTM E1347<br>Per ASTM C171-05 | 92 %   | 92 %                        |
| <b>LIGHT REFLECTANCE REQUIREMENT</b> | ASTM E1347<br>Per ASTM C171-05 | Requires a reflectance of at least:<br>70 %  |                             |
| * <b>WATER LOSS (WVTR)</b>           | ASTM E96<br>Per ASTM C171-05   | 0.005 oz/ft <sup>2</sup> /24hrs  | 1.4 g/m <sup>2</sup> /24hrs |
| <b>WATER LOSS (WVTR) REQUIREMENT</b> | ASTM E96<br>Per ASTM C171-05   | Requires a water transmission rate of no more than:<br>10 g/m <sup>2</sup> in 24 hrs |                             |

\*Testing was conducted by an independent test facility; Bee Laboratory.  
Conkure™ Wet Curing Blanket meets and exceeds the specification requirements of AASHTO M171 and ASTM C171.

## conkure 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. RAVEN INDUSTRIES 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. Limited Warranty available at [www.RavenEFD.com](http://www.RavenEFD.com)



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**Engineered Films Division**  
P.O. Box 5107  
Sioux Falls, SD 57117-5107  
Ph: (605) 335-0174 • Fx: (605) 331-0333

**Toll Free: 800-635-3456**  
**Email: [efdsales@ravenind.com](mailto:efdsales@ravenind.com)**  
**[www.ravenefd.com](http://www.ravenefd.com)**  
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