

PRODUCT DESCRIPTION

Conkure™ 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. 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.

PRODUCT USE

Conkure™ 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)

Conkure™ 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

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



PRODUCT	PART NUMBER
conkure™ X80W

COMMON CURING APPLICATIONS

- Flat Work
- Pavement
- Roads
- Columns
- Bridges
- Tunnels
- Building Construction
- Decorative Concrete
- Stained Concrete

PROPERTIES	TEST METHOD	IMPERIAL UNITS	METRIC UNITS
WEIGHT	ASTM D 751	31 lbs./1000 ft ²	151 g/m ²
THICKNESS, NOMINAL	ASTM D 5199	17 mil	0.43 mm
GRAB TENSILE STRENGTH	ASTM D 5034	74 lbf	329 N
GRAB TENSILE ELONGATION	ASTM D 5034	62%	62%
TRAPEZOID TEAR	ASTM D 5733	25 lbf	111 N
PUNCTURE	ASTM D 4833	29 lbf	129 N
IMPACT RESISTANCE	ASTM D 1709 (A)	443 g	443 g
MULLENBURST	ASTM D 3786	113 psi	779 kPa
ELMENDORF TEAR	ASTM D 1922	4100 g	4100 g
*LIGHT REFLECTANCE	ASTM E 1347 Per ASTM C 171	94 %	94 %
LIGHT REFLECTANCE REQUIREMENT	ASTM E 1347 Per ASTM C 171	Requires a reflectance of at least: 70%	
*WATER LOSS (WVTR)	ASTM E 96 Per ASTM C 171	0.016 oz/ft ² / 24 hrs	4.8 g/m ² / 24 hrs
WATER LOSS (WVTR) REQUIREMENT	ASTM E96 Per ASTM C 171	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.

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 stated otherwise, these are typical property values and are intended as guides only. **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.