

## Sika® UltraCure NCF™ Single-Use Wet Curing Blanket

**Description** Sika® UltraCure NCF™ (Natural Cellulose Fabric) single-use wet curing blankets provide constant and thorough hydration while maintaining a 100% relative humidity condition on the slab for a curing period of 7 days resulting in less surface discoloration and a more evenly cured concrete slab.

**Where to Use** Concrete slabs-on-ground and decorative concrete requiring a 7 day cure.

- Typical structures include:
- Warehouse/Distribution Centers
  - Big Box Stores
  - Manufacturing Facilities
  - Commercial/Industrial Complexes
  - Chemical Containment Storage Areas
  - Water/Wastewater Treatment Structures
  - Entertainment Centers
  - Decorative Concrete Applications
  - Bridge Decks and Concrete Paving
  - Parking Lots and Site Paving
  - Airports

- Advantages**
- Rolls come with fabric side out, making it easy to install
  - Taping the seams is not required
  - Absorbs and distributes water evenly over the entire slab surface
  - Features an opaque reflective poly backing which provides visual confirmation that the slab remains wet for the entire curing period
  - Reduction of material, labor, re-wetting time, storage, and transportation costs that are involved when using traditional wet cure methods
  - Increases concrete strength and durability
  - Reduces permeability of concrete, cracking, crazing, dusting, and efflorescence
  - Improves abrasion resistance
  - Helps prevent plastic shrinkage cracking

**Typical Data** Sika® UltraCure NCF™ moisture-retaining coverings are natural colored, non-staining cellulose fabrics with an 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). The material meets or exceeds 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 Sika® UltraCure NCF™ allows the blanket to absorb more than 41 gallons of curing water per 1,600 ft² roll, providing the critical moisture required for the long term wet curing of concrete surfaces.

Property	Value	ASTM Test Method
Caliper	1.4 mm	ASTM D-5199
Tensile	TD: 4,783 psi MD: 4,900 psi	ASTM D-882
Elongation	TD: 721% MD: 622%	ASTM D-882
Elmendorf	TD: 1,500 g MD: 350 g	ASTM D-1922
Dart	150 g	ASTM D-1709
Reflectance	> 70%	ASTM E-1447
TD = Transverse Direction	MD = Machine Direction	

Results may differ based upon statistical variations depending upon temperature, application methods, test methods, actual site conditions, and curing conditions.



# Waterproofing

<b>Packaging</b>	Sika® UltraCure NCF™ rolls are shrink wrapped in a clear poly covering and stacked four (4) wide by four (4) high on a wooden pallet that will have the overall dimensions of forty four (44) inches wide by ninety six (96) inches long. Pallets are double stacked for shipment. 384 rolls fit onto a truck (24 pallets). One roll of Sika® UltraCure NCF™ weighs 50 lbs. One pallet of Sika® UltraCure NCF™ weighs 900 lbs.
<b>Coverage</b>	1,600 ft <sup>2</sup> per roll (8 ft wide x 200 ft long roll)
<b>How to Use</b>	
<b>Cure Mechanism</b>	Super absorbent fibers that effectively trap water and serve as a hydrating reservoir for the slab as it cures.
<b>Surface Prep</b>	Remove any debris and loose material from the concrete surface to be cured.
<b>Application</b>	Place Sika® UltraCure NCF™ wet cure covering in widest practical width as soon as concrete has hardened sufficiently to prevent surface damage. Sides and end shall be lapped at least 3". Immediately repair any holes or tears during curing period using additional Sika® UltraCure NCF™ wet cure blanket and water. Cover entire surface area including edges of paving and sidewalks. Install Sika® UltraCure NCF™ moisture containing wet cure blankets 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 Sika® UltraCure NCF™ blanket 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 Sika® 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.
<b>Removal</b>	Pick up the blankets and properly dispose of them after the 7 day curing period. If removing the blankets after an extended period of time, rewetting of the slab may be required.
<b>Shelf Life</b>	18 months
<b>Handling &amp; Storage</b>	No special safety measures required. Store in a dry location away from open flame.
<b>Clean Up</b>	Pick up the blankets and properly dispose of them after the 7 day curing period. If removing the blankets after an extended period of time, rewetting of the slab may be required.
<b>First Aid</b>	This product is an inert solid. First aid is normally not required. Seek medical attention if ingested.
<b>Further Information</b>	Consult a Sika Greenstreak engineer to review your specific project parameters, additional product information, documentation for LEED® compliance purposes, or warranty information.

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