CONCRETE CURING AND FLOOR PROTECTION
Sika® UltraCure™ & Sika® EZcover™

PROPER WET CURING & PROTECTION FOR QUALITY SLABS, PAVEMENTS, AND DECORATIVE CONCRETE
ACI 308 GUIDE TO CURING CONCRETE STATES: “THE OBJECTIVES OF CURING ARE TO PREVENT THE LOSS OF MOISTURE FROM CONCRETE... AND ALLOWS THE CEMENTITIOUS MATERIAL WITHIN THE CONCRETE TO PROPERLY HYDRATE.”

PROPER CONCRETE CURING CAN INCREASE SURFACE HARDNESS AND ABRASION RESISTANCE WHILE REDUCING SURFACE PERMEABILITY, CRACKING, CRAZING, DUSTING, AND EFFLORESCENCE. WHY SETTLE FOR A WEAK CONCRETE SURFACE WHEN YOU CAN HAVE A STRONG AND LESS PERMEABLE SURFACE THROUGH PROPER WET CURING!

PLASTIC SHEETING
This method of wet curing keeps the surface hydrated by minimizing evaporation, however it leaves “tiger stripe” shadowing where the plastic wasn’t lying flat against the concrete surface. This aesthetic damage is hard, if not impossible, to remove.

BURLAP
Wet curing with burlap requires frequent rewetting, often by the use of sprinkler hoses, which may never be done resulting in potential dry areas that aren’t properly wet cured. Upon the removal of this type of wet curing there will often be burlap shadowing and surface discolorations based on localized drying of the concrete.

SPRAY CURES
Another method to cure concrete is by using a chemical spray cure. In windy conditions it is often hard to ensure a uniform application rate and after the curing period, the chemical cure must be removed from the concrete surface.
Since 2003 the patented Sika® UltraCure NCF™ wet curing blanket has been the preferred choice 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, Sika® 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 (with proper installation).

The blanket features non-staining, super absorbent fibers that effectively trap water and serve as a hydrating reservoir for the slab as it cures. Sika® UltraCure NCF™ also features a white poly backing, which provides constant visual reinforcement that the slab remains wet for the entire curing period.

Sika® UltraCure™ NCF meets and exceeds both ASTM C-171, Standard Specification for Sheet Materials for Curing Concrete, and ACI 308’s Curing Concrete guidelines.

The superior water retention ability of Sika® UltraCure NCF™ allows the blanket to absorb more than 41 gallons of curing water per 1,600 square foot roll, providing the critical moisture required for the long-term wet curing of concrete surfaces. With proper installation, the superior absorbency demonstrated by Sika® UltraCure NCF™ means there’s no need to re-wet the slab and is designed to remain moist for up to 7 days.

After the Sika® UltraCure NCF™ disposable curing blanket is removed, you will discover the concrete surface has less dust, debris, and contaminants. Sika® UltraCure NCF™ lays flat longer on the surface than most other methods, and helps prevent foreign material from accessing the slab/surface. A cleaner concrete surface will allow easier installation of surface hardeners.

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

Patented Sika® UltraCure™ can be used for indoor as well as outdoor applications.
Sika® UltraCure DOT™
Heavy Duty 14-Day Wet Curing Blanket

Sika® UltraCure DOT™ is our heavy duty curing blanket that features a perforated vapor barrier applied to one side to help minimize concrete overheating, maintain moisture levels, and provide protection against UV degradation. With proper installation, Sika® UltraCure DOT™ provides constant hydration and maintains a 100% relative humidity condition on the slab or pavement for wet curing durations up to 14 days.

As with the Sika® UltraCure NCF product, Sika® UltraCure DOT™ also wicks itself to the concrete surface, helping to prevent foreign material including dust, debris, and contaminants to reach the surface. The blanket stays in place without the need to weigh down the edges.

Each 800 square foot roll of Sika® UltraCure DOT™ can absorb up to 55 gallons of curing water providing the critical moisture required for the long-term wet curing of concrete surfaces. With typical application and proper installation, Sika® UltraCure DOT™ helps reduce material costs, installation labor, and totally eliminates the need of costly storage and transportation of traditional wet cure methods.

WHY Sika® UltraCure DOT FOR DOT APPLICATIONS:

- Longer Term Curing Blanket (up to 14 days).
- Less Material Overlap: overlaps of 4-6” mean less waste than most other curing methods.
- Stronger cured concrete at a more economical overall cost.
- Increased cured concrete strength.
- Improved concrete freeze/thaw resistance.
- Fewer voids = water tightness.
- Higher volume stability.
- Greater blanket wind resistance.
- Reduced water consumption for curing.
- Near elimination of water runoff into environment.
- Reduced labor costs to maintain surface wetness.
Sika® EZcover™
Floor Protection Boards

Whether you are a commercial contractor finishing a multi-million dollar slab, or a builder using marble, hardwood, or terrazzo flooring, protecting your investment is what Sika® EZcover™ is all about.

Sika® EZcover™ protective covering is a natural colored cellulose product designed to help protect colored or gray slabs, or other flooring material during the construction process. The product is available in standard width 4’ rolls weighing approximately 40 lbs each with each roll covering approximately 200 square feet on application.

The Sika® EZcover™ board helps protect against surface contamination, abrasions, and other harmful occurrences that are possible on the job site. Aside from offering tough surface protection, Sika® EZcover™ is simple to install. The protective blanket is simply placed (or rolled out) to cover the desired area, and can be moved from one area to another with ease.

The patent pending Sika® EZcover™ protective blanket features a soft bottom layer to help prevent surface scratches, while also allowing new slabs to continue to breathe and harden. The harder top layer helps shield against contaminants and potential impact hazards.

PRODUCT AND SHIPPING INFORMATION

<table>
<thead>
<tr>
<th>Sika® UltraCure NCF™ (7-day curing blanket)</th>
<th>Sika® UltraCure DOT™ (14-day curing blanket)</th>
<th>Sika® EZcover™ (Floor protection covering)</th>
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<tbody>
<tr>
<td>ROLL DIMENSIONS: 8’ x 200’ = 1,600 SF</td>
<td>ROLL DIMENSIONS: 8’ x 100’ = 800 SF</td>
<td>ROLL DIMENSIONS: 4’ x 50’ = 200 SF</td>
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<tr>
<td>BLANKET OVERLAP: 2 – 3”</td>
<td>BLANKET OVERLAP: 4 – 6”</td>
<td>BLANKET OVERLAP: N/A</td>
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<td>ROLL WEIGHT: 50 lbs.</td>
<td>ROLL WEIGHT: 50 lbs.</td>
<td>ROLL WEIGHT: 40 lbs.</td>
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<tr>
<td>PALLET WEIGHT: 900 lbs.</td>
<td>PALLET WEIGHT: 900 lbs.</td>
<td>PALLET WEIGHT: 850 lbs.</td>
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<tr>
<td>(96” L x 44” W x 42” H @ 16 rolls per pallet)</td>
<td>(96” L x 44” W x 42” H @ 16 rolls per pallet)</td>
<td>(48” L x 48” W x 42” H @ 20 rolls per pallet)</td>
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**Sika® UltraCure™ WET CURING INSTALLATION**

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<tr>
<th>STEP 1</th>
<th>USE PLENTY OF WATER</th>
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<tr>
<td></td>
<td>Spray water on and around the first area that will be blanketed with Sika UltraCure. At least 1/8” – 1/4” of water is required.</td>
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<tr>
<th>STEP 2</th>
<th>ROLL OUT ULTRACURE</th>
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<tr>
<td></td>
<td>Place the Sika UltraCure roll on the wet surface with the plastic side up and absorbtent natural cellulose fiber side down. Unroll the Sika UltraCure blanket in a straight line. Spray additional water as needed. If wrinkles occur, or the roll becomes out of line, cut the blanket straight across, realign the roll, and continue to roll the curing blanket out.</td>
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<tr>
<th>STEP 3</th>
<th>SQUEEGEE ANY WRINKLES</th>
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<tr>
<td></td>
<td>Using the Sika UltraCure Squeegee (or similar roller squeegee), smooth out any wrinkles and air pockets. Be sure to squeegee toward the un-blanketed portion of the surface.</td>
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<tr>
<th>STEP 4</th>
<th>USE PLENTY OF WATER</th>
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<td></td>
<td>Spray water on the next area to be covered with the Sika UltraCure blanket (same technique as discussed in Step 1).</td>
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<th>STEP 5</th>
<th>UNROLL AND OVERLAP</th>
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<td></td>
<td>Roll out the next layer of Sika UltraCure. Be sure to OVERLAP THE ENDS AND EDGES OF THE PREVIOUS ROLL by at least 2” – 3” for the Sika Ultra-Cure NCF, and 4” – 6” for the Sika UltraCure DOT wet curing blanket</td>
</tr>
</tbody>
</table>

| STEP 6 | Repeat Steps 3 through 5 until the entire surface is blanketed. |

| STEP 7 | Remove the Sika UltraCure wet curing blankets on the 7th day (Sika UltraCure NCF), or on the 14th day (Sika UltraCure DOT), and dispose of the used blankets along with the construction debris. |
DOWELING SYSTEMS

SPEED PLATE
Speed Plate sleeves allow for immediate axial and lateral shrinkage at a joint while providing proper dowel alignment and positive load transfer across the joint. The Speed Plate plate dowel has a consistent width to maintain full load transfer even where a dominate joint develops.

SPEED DOWEL
Speed Dowel is a sleeved dowel and base system that properly aligns various sizes of round and square dowels in slab and pavement construction joints. Properly aligned dowels allow the joint to open as concrete shrinks while providing positive load transfer across the joint. With these dowel sleeves, no grease is required. Square Speed Dowel sleeves are typically used in retrofit applications and we offer some sleeves for epoxy coated dowels.

SPEED LOAD
Speed load is a single component dowel sleeve that accommodates a round dowel in a slab or pavement expansion joint. Speed Load passes through pre-drilled expansion boards and has a self-locking design to securely position and align round dowels for positive load transfer.

G-SEAL
Our G-Seal is a cost effective alternative to joint sealants. Combined with our plastic expansion board and Speed Load sleeves, the system provides a maintenance free and long lasting expansion joint seal.

LASER FORM
Laser Form is a simple form system that allows laser guided screeds to deliver F-numbers that are consistent slab edge to slab edge. This system reduces set-up time and labor and eliminates hand finishing at the forms.
SIKA FULL RANGE SOLUTIONS FOR CONSTRUCTION:

- **WATERPROOFING**
- **CONCRETE**
- **REFURBISHMENT**
- **SEALING AND BONDING**
- **FLOORING**
- **ROOFING**

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Sika warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer’s sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

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