



CONCRETE CURING AND FLOOR PROTECTION

Sika[®] UltraCure[™]

PROPER WET CURING & PROTECTION FOR QUALITY SLABS, PAVEMENTS, AND
DECORATIVE CONCRETE

BUILDING TRUST



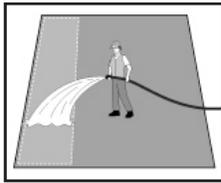
WET CURING CONSIDERATIONS

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!

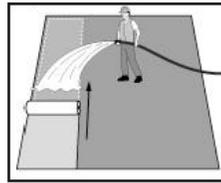
Sika® UltraCure™ WET CURING INSTALLATION

STEP 1



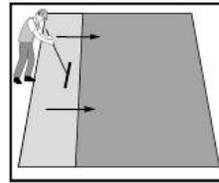
USE PLENTY OF WATER
Spray water on and around the first area that will be blanketed with Sika UltraCure. At least 1/8" – 1/4" of water is required.

STEP 2



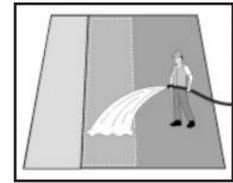
ROLL OUT ULTRACURE
Place the Sika UltraCure roll on the wet surface with the plastic side up and absorbent natural cellulose fiber side down. Unroll the blanket in a straight line. Spray additional water as needed. If wrinkles occur, or the roll becomes out of line, cut the blanket straight across, realign the roll, and continue to roll the curing blanket out.

STEP 3



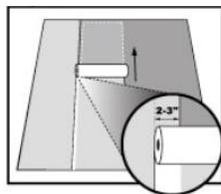
SQUEEGEE ANY WRINKLES
Using the Sika UltraCure Squeegee (or similar roller squeegee), smooth out any wrinkles and air pockets. Be sure to squeegee toward the un-blanketed portion of the surface.

STEP 4

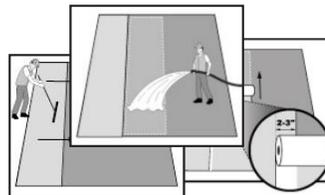


USE PLENTY OF WATER
Spray water on the next area to be covered with the Sika UltraCure blanket (same technique as discussed in Step 1).

STEP 5



UNROLL AND OVERLAP
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 UltraCure NCF, and 4" – 6" for the Sika UltraCure DOT wet curing blanket.



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.



Sika® UltraCure™ Blankets

Single-Use 7-Day and Heavy Duty 14-Day Wet Curing Blankets



Sika® UltraCure NCF™

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.

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 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™

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 FULL RANGE SOLUTIONS FOR CONSTRUCTION:



WATERPROOFING



CONCRETE



REFURBISHMENT



SEALING AND BONDING



FLOORING



ROOFING

All sales of Sika products are subject to Sika's current Terms and Conditions of Sale available at usa.sika.com or by calling 800-325-9504. Prior to each use of any Sika product, the user must always read and follow the warnings and instructions on the product's most current Product Data Sheet, product label and Material Safety Data Sheet, which are available at usa.sika.com or by calling Technical Services at 800-325-9504. Nothing contained in any Sika materials relieves the user of the obligation to read and follow the warnings and instructions for each Sika product as set forth in the current Product Data Sheet, product label and Material Safety Data Sheet prior to product use.

The sale of all Sika products are subject to the following Limited Warranty:

LIMITED MATERIAL WARRANTY

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.

NO OTHER WARRANTIES EXPRESS OR IMPLIED SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. SIKA SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. SIKA SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

Our most current General Sales Conditions shall apply. Please consult the Product Data Sheets prior to any use and processing.

Contact Sika Team 800 325 9504 ■ Website usa.sika.com

For up to date and accurate information please consult the current Product Data Sheet at usa.sika.com

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