

Single-Use Wet Curing Blankets for Vertical And Bridge Deck Applications

Superior Hydration

ReliableCure VAB[®] (Vertical and Bridge Deck) wet curing blankets are the product of choice when the need for the concrete to reach its strength potential is paramount. They provide superior hydration, less discoloration, and the most evenly cured slab in the concrete industry. During the entire 7-14 day curing period, ReliableCure VAB[®] provides constant hydration and a minimum relative humidity condition on the surface of 90%.

How ReliableCure VAB[®] Works

Featuring a blend of synthetic fibers, super-absorbent, non-staining polymers, and an opaque poly backing, ReliableCure VAB[®] provides a constant visual indicator that shows the wetness of the slab for the entire curing period. In the event the curing blanket becomes less than saturated during the curing period, ReliableCure VAB[®] can be re-hydrated through small perforations in the film. Weighing only 55 lbs. dry, a single roll of ReliableCure VAB[®] has the superior water retaining ability to absorb more than 49 gallons of curing water per 1,200 sq. ft.

Specifications

ReliableCure VAB[®] moisture retaining concrete curing blankets meet or exceed the designation requirements for ASTM C -171 and AASHTO M-171, standard specification of sheet materials for concrete curing; as tested by an independent ISO 9001 Certified Testing Laboratory. ReliableCure VAB[®] complies with the durability and water vapor transmission rates specified in ASTM C-171-03. The opaque white poly side of the blankets meet or exceed requirements for daylight reflectance as specified in ASTM C-171.

Markets

Structures that benefit from the use of ReliableCure VAB[®] 14-day wet curing blanket:

- Bridge Decks
- Elevated Roadways
- Manufacturing & Power Plants
- Retaining Walls
- Water & Wastewater Treatment Plants
- Sound Walls
- K Walls
- Shotcrete & Gunite Applications
- Other Vertical Applications

Advantages of Wet Curing

- Increased concrete strength and durability
- Reduces permeability of the concrete
- Improves abrasion resistance
- Reduces cracking, crazing, and dusting of surface
- Helps prevent plastic shrinkage cracking
- Can add 25% to the life of the slab.

Cost Effective

ReliableCure VAB[®] helps reduce material costs, installation and re-wetting labor. You will also save money on re-hydrating water as ReliableCure VAB[®] is engineered to stay hydrated for the entire length of the cure. Since ReliableCure VAB[®] is dropped to your jobsite – there are no transportation or warehousing costs. ReliableCure VAB[®] rolls out flat and stays flatter than most other wet curing methods. The high water retention of the blanket regulates thermal temperatures, while preventing plastic shrinkage and cracking during the hydration period. Rolls come with the fabric out, making it easy to install and no taping of the seams is required.

Coverage and Packaging

ReliableCure VAB[®] rolls are 96 inches wide by 150 ft. long (1,200 sq. ft.) and come 16 rolls per pallet allowing us to ship 24 pallets per truckload, 384 rolls per truckload. Each roll is in an individual poly bag. A form-fitting pallet cover adds protection during shipment and storage providing a shelf life in dry conditions of 24 months.