BCI BUILDING CHEMISTRY INDUSTRY

ISO QSCert 9001 OHSAS QSCert 18001 ISO QSCert 14001

BC CURE 311

Product Description:-

BC CURE 311 is a white, low viscosity membrane which has an alkali reactive emulsion breaking system. This system ensures that the emulsion breaks down to form a non-penetrating continuous film immediately upon contact with a cementitious surface. This impervious film prevents excessive water evaporation which in turn permits more efficient cement hydration, reducing shrinkage and increasing durability. The membrane once formed is degraded when exposed to ultraviolet light over a period of time depending on the condition of exposure.

BC CURE 311 is available in two grades - Clear and White Pigmented Clear (ASTM C 81-309
TYPE 1) grade is for all normal temperature climate applications. White Pigmented (ASTM C 81-309 TYPE 2) contain white pigments to give light reflect- tance, minimizing solar heat gain and is particularly suitable for use in hot climates.

BC Cure 311 Provides a spray-on temporary membrane to retain moisture in concrete for effective curing, sealing dust proofing and hardening concrete. It is formulated to prevent evaporation of the gauging water and provides an economical and efficient method for curing concrete.

FEATURES & BENEFITS:

- Reduces surface shrinkage and cracking by eliminate- ing moisture loss from exposed surfaces.
- Increases water resistance.
- Enables cement to hydrate more efficiently. Reduces tendency of concrete to crack.
- No surface wetting necessary before application to vertical surfaces.
- Nontoxic and nonflammable.
- Eliminates need for damp hessian, sand or polyeth- ylene.

BASIC USES:

Used for concreting generally, but especially useful for exterior work such as roadways, bridge cracks, airport runways and other surfaces exposed to the sun.

DIRECTIONS FOR USE:

BC CURE 311 is spray applied to the surface of newly placed concrete. The concrete should be free from surface water and the nozzle of the spray should be held approx. 450 mm from the concrete surface and passed back and forth to ensure com- plete coverage. The pump pressure should be main- tained at a level producing a fine spray.BC CURE 311 should not be continuously re-circulated through high shear gear pumps when used in concrete train application. If continuous recirculation is essential the sprayer should be fitted with a low shear diaphragm pump. Rate of application will be 160 to 270 ml/m 2 (6.0 - 4.0 m2/ltr.)

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com

BCI BUILDING CHEMISTRY INDUSTRY

ISO QSCert 9001 OHSAS QSCert 18001 ISO QSCert 14001

SHELF LIFE:

24 months when stored at ambient temperature.

CURING EFFICIENCY (For both grades):

Water loss 0.17 Kg/m2applied at 245 ml/m2 which is considerably more efficient than the maximum permissible water loss of 0.55kg/m2 in ASTM C 81-309 and 0.39 kg/m2 in US Federal Specification TT C 800A. 86% when applied at 270 ml/m,2 Modi- fied Dept. of Transport specification for Road and Bridge works: Clause 2709. After a period of approx. 28 days, the film formed on the concrete surface will begin to degrade. The rate of degrada- tion will depend upon initial membrane thickness and the degree of exposure to ultra violet light. 62% for white pigment conforms to ASTM C 81-309 for light reflectance.

PHYSICAL PROPERTIES:

Water loss 0.17 Kg/m2applied at 245 ml/m2 which is considerably more efficient than the maximum permissible water loss of 0.55kg/m2 in ASTM C 81-309 and 0.39 kg/m2 in US Federal Specification TT C 800A. 86% when applied at 270 ml/m,2 Modi- fied Dept. of Transport specification for Road and Bridge works: Clause 2709. After a period of approx. 28 days, the film formed on the concrete surface will begin to degrade. The rate of degrada- tion will depend upon initial membrane thickness and the degree of exposure to ultra violet light. 62% for white pigment conforms to ASTM C 81-309 for light reflectance.

BC Cure 311	CLEAR WHITE	PIGMENTED
Bulk Liquid	White	White
Dry Film	Clear	White

Specific Gravity at 20°C	1.02 ± 0.02
Viscosity at 20°C -	8 - 10 cps
Minimum Application Temperature	6°C

Coverage:

Approximately cover 4m2 per Liter

Packaging:

Available in 20 liters pail and 210 drum

Color:

Clear and White pigmented

Building Chemistry Industry
Suit No 203, Al Manar Business park Bin Khalid Street Dammam .Kingdom of Saudi Arabia.
Email: info@bcisaudi.com Website: www.bcisaudi.com