NCB™

A Tintable, Noncementitious Base Coat for Embedding Reinforcing Mesh and Providing a Grout Coat for Custom Brick™ Finishes

Description
NCB is a fully formulated water-based acrylic product which can be applied as is without the addition of Portland cement. It is a highly flexible and crack-resistant base and grout coat which eliminates the mess and labor of working with Portland cement. Tintable in a wide variety of colors.

Uses
NCB is used as is to embed reinforcing mesh as part of the base coat of the Outsulation® System. It is also used as the grout coat for with the Custom Brick™ Finish System.

Coverage
Approximately 10-12 m² (110-130 ft²) per 29 kg (65 lb.) pail. Approximately 15 m² (160 ft²) when used as a grout.

Properties
Working Time - When the NCB is contained in an open pail, there is no working time limit. Small amounts of water can be added continuously to the pail to adjust the workability. Partially used containers of NCB, when tightly sealed, may be used the next day.

Drying Time - NCB dries and develops physical properties by the evaporation of water.

Drying times depend upon the air temperature, relative humidity and wind conditions. Under average drying conditions [21 °C (70 °F), 55% R.H.], NCB should be protected from rain for 24 hours. Under adverse drying conditions (low temperature and high relative humidity), NCB should be protected until it is cured hard.

Water Vapor Transmission - (ASTM E96) - NCB is permeable to water vapor.

Bond Strength - The bond strength of NCB exceeds the cohesive strength of insulation board.

Application Procedure
Job Conditions - Air and surface temperature for the application of NCB must be 4 °C (40 °F) or higher and must remain so for a minimum of 24 hours.

Temporary Protection - Shall be provided at all times until base coat, finish and permanent flashings, sealants, etc. are completed to protect the wall from weather and other damage.

Surface Preparation - NCB is intended for use in the Outsulation System. The insulation board shall be properly installed to an approved substrate using Primus®, Primus DM™ or ADEPS®. The adhesive shall be properly cured, all board joints tightly butted, joints wider than 1.6 mm (1/16”) silvered with insulation board to create a tight fit and the surface rasped to a smooth and level plane.

Mixing - NCB may be mixed to a consistent with a Goldblatt Jiffler Mixer. To aid workability, small quantities of clean, potable water may be added.

Tinting - NCB may be tinted to provide a colored base or grout coat. Ten standard colors and many custom colors are available.

Application - For base coat application, all insulation board irregularities greater than 1.6 mm (1/16”) must be sanded flush. Apply the base coat to the entire surface of the insulation board. Fully embed the reinforcing fabric in the wet base troweling from the center to the edge of the reinforcing fabric so as to avoid wrinkles. The reinforcing fabric shall be continuous at all corners and lapped or butted in accordance with Dryvit’s recommendations. Apply an overall 1.6 mm (1/16”) minimum 2.4 mm (3/32”) maximum dry coating thickness of the reinforced base coat. All areas requiring higher impact performance shall be detailed in the drawings and described in the contract documents. For grout coat application, NCB is applied over other Dryvit reinforced base coat. NCB supplies color and completely covers any visible mesh pattern. For non-EIFS application, consult Dryvit UK Ltd. The application shall be installed in accordance with Dryvit’s recommendations.

Clean-Up - Clean tools with water while the NCB is still wet.

Storage
NCB must be stored at 4 °C (40 °F) or above in tightly sealed containers out of direct sunlight.

Cautions and Limitations
• While drying, the NCB must not be exposed to the formation of dew on its surface. This could lead to localized delamination and the formation of blisters.
• Before applying Dryvit finish to the NCB base coat, insure that the surface is thoroughly and uniformly dry. Particular attention must be paid to areas of mesh overlap where the NCB is thicker and will take longer to dry. Application of finish to an incompletely dried base coat will result in mottled appearance.
• Do not use NCB to adhere special shapes to cured NCB base coat.

Technical and Field Services
Available upon request.