

WALL-BOND NCB

NON-CEMENTITIOUS POLYMERIC BASECOAT

Technical Data & Application Instructions

PRODUCT DESCRIPTION

WALL-BOND NCB is a pre-mixed, ready-to-use 100% acrylic polymer basecoat, requiring no additional cement or water. Once cured, it forms a high performance, water-repellent base coat for use in conjunction with UNITED'S **Uni-Tex EIFS System**. It trowels easily, filling and leveling irregular surfaces, yielding a durable, flexible finish. Unlike cement-based products, **WALL-BOND NCB** will not effloresce if it becomes exposed to moisture.

BASIC USES

WALL-BOND NCB is used as a base coat and leveling material over expanded polystyrene (EPS), concrete, masonry and approved exterior wallboard products. It is also used to embed and encapsulate UNITED'S **UNI-TEX Field Fabric**, a woven fiberglass mesh, which provides impact and crack resistance, as well as additional reinforcement at seams and joints.

COLORS

WALL-BOND NCB is supplied in standard Off-White color. When used as a base coat under **Uni-Tex Finish**, it should be tinted to the same color as the finish, using approximately one half the colorant level.

ADVANTAGES

- Excellent Bond Strength
- Single Package, Water-Based Formulation for Ease of Application and Cleanup
- High Impact Resistance
- Highly Flexible
- Excellent Water Resistance
- Will Not Effloresce

TYPICAL PROPERTIES

1. **Solids by Weight:**
80% (± 2) [ASTM D2369]
2. **Solids By Volume:**
57% (± 2) [ASTM D2697]
3. **Weight per Gallon:**
14.0 lbs. (6.35 kg) ($\pm .5$) [ASTM D1475]
4. **Shelf Life:**
1 year from date of shipment
5. **Volatile Organic Content (VOC):**
0.16 lb./gallon (.02 kg/l) (EPA RM-24)

PACKAGING & MIXING

WALL-BOND NCB is a single-component, ready-to-use material available in 5-gallon (19 liter) pails containing 65 lbs. (29.5 kg) of material, in standard off-white color. All containers shall be thoroughly mixed prior to application using a slow speed power mixer until the entire contents of the container is homogeneous.

WALL-BOND NCB, once properly mixed, is easily applied at material temperatures of 60°F (16°C) or greater. Reducing the mixture is not normally required, however, a small amount of water may be added to adjust workability if necessary.

SURFACE PREPARATION

All surfaces must be structurally sound, clean and dry, and free of dirt, dust, oil, efflorescence, form or release agents and other contaminants that may interfere with optimum adhesion. Degraded, deteriorated or unsound surfaces shall be repaired or replaced. Chalky, oxidized or other contaminated surfaces must be washed with **United Cleaning Concentrate (UCC)** or equal biodegradable cleaner.

APPLICATION

Insulation panels shall be secured to the substrate using appropriate adhesive material (such as UNITED'S **Wall-Bond 90**, **Wall-Bond 70** or **Insulbond**) and/or mechanical fasteners. All edges shall be planed so that there is a smooth transition between panels.

Apply **WALL-BOND NCB** using a stainless steel trowel to a thickness of 1/16", or approximately 1½ times the thickness of the **Uni-Tex Field Fabric**. Coverage rate will be approximately 110 to 130 sq. ft. of surface area per 65 pound (29.5 liter) pail of material.

Immediately embed the **Field Fabric** into the wet **WALL-BOND NCB** and smooth from the center to the edge to avoid wrinkles. Wrap the fabric around edges and system terminations. When multiple layers of reinforcing fabric are used, as in heavy duty applications, allow each layer to cure, typically overnight, prior to applying subsequent layers.

Dry time will vary with temperature and humidity. Under normal conditions, **WALL-BOND NCB** should be protected from rain or other adverse weather conditions for a period of 24 hours or until thoroughly dry. Complete cure will require approximately 28 days.

Clean tools, and any adjacent areas to which the **WALL-BOND 90** is inadvertently applied, with water while the material is still wet.

LIMITATIONS & PRECAUTIONS

WALL-BOND NCB is **not** recommended for use as an adhesive for bonding insulation panels to the wall. Ambient air and substrate temperatures must be above 40°F (4°C) during application and cure. Supplemental heat and protection from precipitation must be provided as necessary.

Apply only to surfaces that are sound, clean and free from any foreign contaminants that may affect optimum bonding characteristics. Avoid application under direct sunlight or in high temperatures. Do not use **WALL-BOND NCB** for leveling the surface of the insulation board. Instead, rasp smooth prior to application.

Do not apply **Uni-Tex Finish** over **WALL-BOND NCB** that is not completely cured. **WALL-BOND NCB** is a base coat material and should not be used as a finish coat. Do not utilize **Anti Wash-Off Additive** in the **Uni-Tex Finish** if its to be applied over **WALL-BOND NCB**.

WALL-BOND NCB will freeze and become unusable at temperatures below 32°F (0°C). Do not ship of store unless protection from freezing is available.

WALL-BOND NCB requires complete evaporation of water to cure. Cool temperatures and high humidity retard cure. **Do not apply if weather conditions will not permit complete cure before rain, dew, fog or freezing temperatures occur.** Do not apply in the late afternoon if heavy moisture condensation may appear during the night. Do not apply when there is a possibility of temperatures falling below 32°F (0°C) within a 4 hour period after application.

For specific information on safety requirements, refer to OSHA guidelines and **WALL-BOND NCB** Material Safety Data Sheet.



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