

AquaBlue™

Installation Instructions

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1. GENERAL INFORMATION

1.1 AquaBlue is a ready-to-use liquid waterproofing membrane appropriate for interior tile and stone installations. AquaBlue is not intended for standing water applications.

1.1.a Install in strict compliance with these written instructions, and comply with applicable ANSI standards, Tile Council of North America (TCNA) recommendations, and building codes. For additional installation details, please visit our website at www.noblecompany.com, download our free Mobile App (available on Apple and Android operating systems), or call us at (800) 878-5788.

1.1.b For procedures not covered by these instructions, contact Noble Company.

2. MATERIALS

2.1 MEMBRANE: Noble AquaBlue is a plumbing code listed (ICC-ES PMG-1059), ready-to-use liquid waterproofing appropriate for interior applications.

2.2 SEALANT: Use NobleSealant 250 to pre-fill voids under 1/8".

2.3 TOOLS: Use a trowel, paint roller, or paint brush to apply AquaBlue. Use a wet film gauge to check layer thickness.

2.4 FLASHING: AquaSeal™ Flashing Mesh, a 4" wide mesh for cracks greater than 1/8", should be used on horizontal to vertical changes of plane and at curbs. AquaSeal Flashing Mesh is sold separately.

2.5 DRAIN FLASHING: AquaSeal Drain Flashing, a 10" diameter flashing membrane, is designed for use with Noble's FreeStyle Thin-Bed Drain™. AquaSeal Drain Flashing and Noble's FreeStyle Thin-Bed Drain are sold separately.



2.3



2.4



2.5



3. PLANNING

3.1 MEMBRANE: Yields 50-85 sq. ft. per 1.65 gallon pail, or 100-170 sq. ft. per 3.3 gallon pail (depending on mils).

NOTE: Estimated coverage rate assumes a finished dry thickness of 30 - 40 mils applied in 2 - 3 subsequent wet coats.

3.1.a For porous substrates, the first coat of AquaBlue should be diluted 10% with potable water. When using a diluted first coat, a non-diluted second coat of AquaBlue may be applied after 30 minutes.

3.2 NOBLESEALANT 250: A 5 oz. tube of NobleSealant 250 covers approximately 20 linear feet with a 3/16" bead. Also available in 10.3 oz. tube. NobleSealant 250 is sold separately.



3.1



3.1.a



3.2

4. PREPARATION

4.1 INSPECTION: Examine substrates for unacceptable conditions affecting AquaBlue installation. Substrate must be flat, smooth, solid, free from bond breakers, cracks, properly sloped to drain for wet-area applications, and have a slab relative humidity not rising and less than 75% (ASTM 2170 RH). Floor preparation (e.g., patching/leveling/moisture mediation) must be complete prior to applying AquaBlue. Examine, prepare, and test concrete floors for finish flooring installation in accordance with ASTM F710 for the tile being installed.

4.2 DRAINAGE: Wet areas must have proper slope to drain. Caution: Drains must have a suitable membrane clamping collar or bonding flange. When using a FreeStyle Thin-Bed Drain, install flashing prior to clamping collar.

4.2.a When a standard 3-piece clamping ring drain is being used, install a NobleFlex® Drain Flashing prior to applying AquaBlue. Follow current NobleFlex Drain Flashing installation instructions.

4.2.b When a FreeStyle Linear Drain is installed, refer to current FreeStyle Linear Drain installation instructions (flashing will be used).

4.2.c When using a FreeStyle Thin-Bed Drain, install AquaSeal Drain Flashing prior to clamping collar.

4.3 CRACKS/JOINTS/CHANGES OF PLANE: The width and location of the crack/joint/change of plane will determine treatment options prior to application of AquaBlue.

4.3.a Cracks or Joints less than 1/32" do not need additional treatment.

4.3.b Cracks or Joints 1/32" - 1/8" should be filled with NobleSealant 250 (or AquaSeal Flashing Mesh installed) prior to applying first coat of AquaBlue.

4.3.c Cracks or Joints greater than 1/8" must be filled with a suitable filler material prior to applying the first coat of AquaBlue.



4.3.a



4.3.b



4.3.c

5. INSTALLATION PROCEDURES

5.1 Select appropriate wall and floor substrate suitable for wet areas. All surfaces must be dry (cured), clean, and free of bond breaking contaminants. Consult backer board manufacturer for specific installation recommendations.

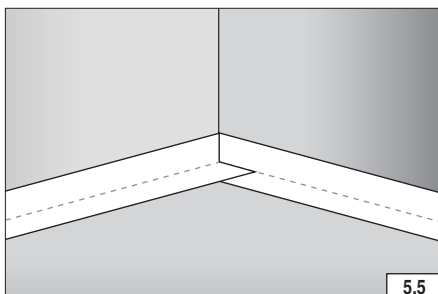
5.2 For porous substrates, the first coat of AquaBlue should be diluted 10% with water. When using a diluted first coat, a non-diluted second coat of AquaBlue may be applied after 30 minutes.

5.3 Stir AquaBlue by hand to make fluid color uniform.

5.4 Pre-treat cracks, construction joints, and backer board joints. See 4.3 above.

5.5 Pre-Treat Changes of Plane: Using AquaBlue, apply to all changes of plane to be waterproofed with a paint brush. Ensure gaps between planes are free of voids or bubbles in the AquaBlue. Install AquaSeal Flashing Mesh at all horizontal to vertical changes of plane and at curb-to-wall transitions.

NOTE: Excessive build-up of uncured AquaBlue can lead to cracking as the membrane cures. To increase thickness, apply additional layers of AquaBlue after the previous coat has cured. Coats should have a wet film thickness of 20 - 30 mils each (approx. 0.5 - 0.75 mm).

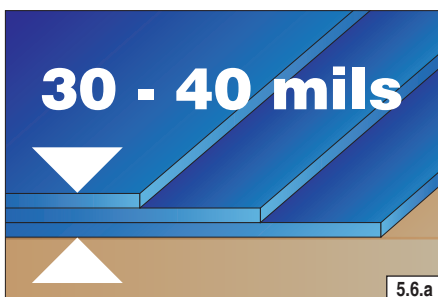


5.6 Apply AquaBlue directly to the substrate with a trowel, paint roller, or brush. When applying AquaBlue, wait 4 hours to apply subsequent coats. Cured AquaBlue should be dry to the touch.

5.6.a Final thickness of dry material should be at least 30 - 40 mils total (approx. 0.8 - 1 mm).

5.7 Flood test wet areas to ensure water tightness in accordance with local codes and standards. Ensure AquaBlue has dried (typically 24 hours) prior to flood test.

5.8 Upon successful flood test, tile can be applied to dry surface.



6. TILE INSTALLATION

6.1 Set tile in accordance with TCNA Handbook recommendations, ANSI A108 standards, and bond coat manufacturer's directions. Complete coverage of membrane by the bond coat is required.

7. LIMITATIONS

7.1 AquaBlue is not designed for use as a wearing surface or exterior applications. AquaBlue cannot accommodate deflection greater than industry guidelines for the flooring surface. For any application not specifically detailed in these installation instructions, contact Noble Company.

8. WARRANTY

8.1 For warranty information, contact your Sales Representative or visit www.noblecompany.com.

