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ESR-2376

Reissued May 1, 2011

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DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 25 00—Water-Resistive Barriers/Weather Barriers

REPORT HOLDER:

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EVALUATION SUBJECT:

GMCraft 10 MINUTE, GMCraft 30 MINUTE, and GMCraft 60 MINUTE WATER-RESISTIVE BARRIERS

1.0 EVALUATION SCOPE

Compliance with the following codes:

- 2006 *International Building Code*® (IBC)
- 2006 *International Residential Code*® (IRC)
- Other Codes (see Section 8.0)

Property evaluated:

- Water resistance
- Surface-burning characteristics

2.0 USES

The GMCraft 10 Minute and GMCraft 30 Minute products are used as water-resistive barriers on the exterior side of exterior walls of buildings of any construction type under the IBC and on structures regulated under the IRC. The GMCraft 60 Minute product is used as a water-resistive barrier on the exterior side of exterior walls of buildings of Type V-B construction and, when installed in accordance with Section 4.2, Type V-A construction, and on structures regulated under the IRC.

3.0 DESCRIPTION

3.1 General:

The products are alternatives to the water-resistive barrier specified in IBC Section 1404.2 and IRC Section R703.2 and comply as Grade D water-resistive barriers specified in IBC Section 2510.6 and IRC Section R703.6.3. The building papers are manufactured in rolls 40 inches (1016 mm) wide that come in various lengths.

3.2 GMCraft 10 Minute:

GMCraft 10 Minute is asphalt-saturated kraft paper complying with UBC Standard 14-1 as Type I, Grade D, Style 2. The building paper has a nominal finish weight of 3.5 pounds per 100 square feet (0.17 kg/m^2).

3.3 GMCraft 30 Minute:

GMCraft 30 Minute is asphalt-saturated kraft paper complying with UBC Standard 14-1 as Type I, Grade D, Style 2. The building paper has a nominal finish weight of 3.9 pounds per 100 square feet (0.19 kg/m^2).

3.4 GMCraft 60 Minute:

GMCraft 60 Minute is asphalt saturated kraft paper complying with UBC Standard 14-1 as Type 1, Grade D, Style 2. The building paper has a nominal finish weight of 6.0 pounds per 100 square feet (0.29 kg/m^2). GMCraft 60 Minute has a 60-minute water-resistance rating.

3.5 Surface Burning Characteristics:

The GMCraft 10 Minute and GMCraft 30 Minute products have a flame spread index of less than 25 and a smoke-developed index of less than 450, when tested in accordance with ASTM E 84.

4.0 INSTALLATION

4.1 General:

The barriers must be installed in accordance with Section 1404.2 of the IBC or Section R703.2 of the IRC, as applicable, on the exterior side of exterior wall framing, sheathing or insulation, with the printed side facing outward.

When the barriers are installed over wood-based sheathing in exterior plaster applications, two layers of the product must be applied over the sheathing in accordance with Section 2510.6 of the IBC or Section R703.6.3 of the IRC. As an alternative, one layer of the GMCraft 60 Minute may be installed in accordance with the exception to Section 2510.6 of the IBC or Section R703.6.3 of the IRC. For cementitious coatings over exterior insulation and finish systems, application must be in accordance with the ICC-ES evaluation report on the exterior coating system.

The barrier is installed horizontally and started approximately 24 inches (610 mm) from an outside corner, with the height of the roll positioned to allow overlap of the sill plate and the foundation to a point equal to the lowest point of the finished wall covering or an appropriate location on the weep screed. The barrier is fastened with $^3/_8$-inch-diameter-head (9.5 mm) corrosion-resistant nails

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or 1-inch-crown (25.4 mm) staples spaced 30 to 36 inches (762 mm to 914 mm) on center along vertical framing members or sheathing, or 6 inches (152 mm) on center along horizontal framing members. The barrier must be installed with 2-inch (51 mm) laps on horizontal edges and 6-inch (152 mm) laps on vertical edges.

4.2 Fire-resistance-rated Construction Assemblies:

In Type V-A construction, the water-resistive barriers may be used in exterior fire-resistance-rated assemblies described in IBC Table 720.1(2) that specify use of building paper without changing the assigned hourly rating of the assembly, or where a fire-resistance-rated assembly specifies a water-resistive barrier complying with UBC Standard 14-1 Type 1.

5.0 CONDITIONS OF USE

The GMCraft 10 Minute, GMCraft 30 Minute and GMCraft 60 Minute water-resistive barriers described in this report comply with, or are suitable alternatives to what is specified in, those codes listed in Section 1.0 of this report, subject to the following conditions:

5.1 The products must be installed in accordance with this report, the manufacturer's installation instructions and the applicable code. In the event of conflict between the manufacturer's installation instructions and this report, this report governs.

5.2 The GMCraft 60 Minute water-resistive barrier is limited to use in Type V-B construction, except as noted in Section 4.2.

6.0 EVIDENCE SUBMITTED

6.1 Data in accordance with the ICC-ES Acceptance Criteria for Weather-resistive Barriers (AC38), dated February 2008.

6.2 Report of testing in accordance with ASTM E 84.

7.0 IDENTIFICATION

Product rolls are identified with a label bearing the name and address of the report holder (GMC Roofing & Building Paper Products, Inc.), the product name, the product classification in accordance with UBC Standard 14-1, and the evaluation report number (ESR-2376). In addition, each roll is identified by the company name and the evaluation report number printed on one side of the paper at 9-inch (228 mm) intervals.

8.0 OTHER CODES

8.1 Evaluation Scope:

The products described in this report were also evaluated for compliance with the requirements of the 1997 *Uniform Building Code*™ (UBC)**.**

8.2 Uses:

The GMCraft 10 Minute, GMCraft 30 Minute and GMCraft 60 Minute products are used as water-resistive barriers complying with UBC Standard 14-1 for Grade D paper as specified in Section 1402.1 of the UBC.

8.3 Description:

See Section 3.0.

8.4 Installation:

See Section 4.0. The building papers must be installed in accordance with Sections 1402.1 and 2506.4 of the UBC.

8.5 Conditions of Use:

See Section 5.0 except revise Section 5.2 as follows: The products are limited to use on buildings of Type V-N construction.

8.6 Evidence Submitted:

See Section 6.0.

8.7 Identification:

See Section 7.0.