LISTING REPORT Number: UEL-5006

Originally Issued: 05/08/2017 Revised: 12/05/2023 Valid Through: 05/31/2024

TK PRODUCTS
A DIVISION OF SIERRA CORPORATION
11400 West 47th Street
Minnetonka, Minnesota 55343
(952) 938-7223
jlibke@tkproduct.com

LISTING SUBJECTS:

TK-AirMax 2101 Non-Permeable SB
TK-AirMax 2102 Non-Permeable SB
TK-AirMax 2103 Non-Permeable WB
TK-AirMax 2104 Vapor Permeable WB
TK-AirMax 2105 Vapor Permeable SB
TK-HydroMax 2001 SB
TK-HydroMax 2002 SB
TK-HydroMax 2003 WB
TK-Climate Tech 2206 Vapor Permeable WB

CSI Section: 07 27 26 Fluid Applied Membrane Air Barriers

1.0 SCOPE OF LISTING

1.1 Compliance with the following standard:

- NFPA 285-12; Standard Fire Test Method for the Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components

1.2 Properties assessed:

- Vertical and lateral fire propagation

2.0 LIMITATIONS

Use of the TK-AirMax and TK-HydroMax recognized in this report is subject to the following limitations:

Use of the TK-AirMax 2101 Non-Permeable SB, TK-AirMax 2102 Non-Permeable SB, TK-AirMax 2103 Non-Permeable WB, TK-AirMax 2104 Vapor Permeable WB, TK-AirMax 2105 Vapor Permeable SB, TK-HydroMax 2001 SB, TK-Hydromax 2002 SB, TK-HydroMax 2003 WB, and TK-Climate Tech 2206 Vapor Permeable WB recognized in this report is subject to the following limitations:

2.1 The products noted in Section 1.0 of this report shall be installed in accordance with the applicable code, the manufacturer's published installation instructions, and this report. Where there is a conflict, the most restrictive requirements shall govern.

2.2 To be considered as conforming with NFPA 285 – 12, the assemblies shall be as described in Table 1 of this report.

2.3 The code classification of vapor, weather, or water barriers, is beyond the scope of this listing report.

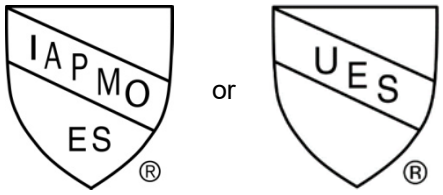
2.4 The products recognized in this report are produced by TK Products in Minnetonka, MN.

3.0 DESCRIPTION

As noted in UEL-5006, the TK-AirMax 2101 Non-Permeable SB and TK-HydroMax 2001 SB are solvent-based, fluid-applied coatings. The TK-AirMax 2102 Non-permeable SB and TK- HydroMax 2002 SB are solvent -based, fluid-applied, rubberized polymer coatings that have a resistance to hydrostatic pressure. The TK-AirMax 2103 Non-Permeable WB and TK HydroMax 2003 WB are water-based fluid-applied, rubberized polymer coatings. The TK-AirMax 2104 Vapor Permeable WB is a water-based fluid-applied, rubberized polymer coating. The TK-AirMax 2105 Vapor Permeable SB is a solvent-based, fluid-applied, rubberized polymer coating. The TK-Climate Tech 2206 Vapor Permeable WB is a water-based, fluid-applied, rubberized polymer coating. The coatings are packaged in 55-gallon (208 L) drums and 5-gallon (18.9 L) pails and stored at temperatures between 40°F to 100°F (4.4°C to 38°C). Each of the coatings when stored in factory-sealed containers at the recommended temperatures, have a two-year shelf-life except for the TK-AirMax 2105 Vapor Permeable SB which has a one-year shelf-life.

4.0 IDENTIFICATION

TK-AirMax 2101 Non-Permeable SB, TK-AirMax 2102 Non-Permeable SB, TK-AirMax 2103 Non-Permeable WB, TK-AirMax 2104 Vapor Permeable WB, TK-AirMax 2105 Vapor Permeable SB, TK-HydroMax 2001 SB, TK-Hydromax 2002 SB, TK-HydroMax 2003 WB, and TK-Climate Tech 2206 Vapor Permeable WB are identified with a label bearing the manufacturer's name (TK Products – A Division of Sierra Corporation), product name, address, the listing number (UEL-5006), and the name of the inspection agency. Either IAPMO Uniform Evaluation Service Marks of Conformity may also be used as shown below:



IAPMO UES UEL-5006

For additional information about this evaluation report please visit www.uniform-es.org or email at info@uniform-es.org

TABLE 1
Walls Containing TK Products Coatings

Wall Component	Materials
Base Wall System- **Use either 1, 2 or 3**	**1.** Concrete Wall **2.** Concrete Masonry Wall **3.** 1 layer – $^{5}/_{8}$-inch thick, Type X, Gypsum wallboard on interior, installed over steel studs: minimum $3^{5}/_{8}$-inch depth, minimum 20-gauge at a maximum of 24 inches o.c. with lateral bracing every 4 feet vertically.
Floor line Firestopping	4 pcf mineral wool in each stud cavity at each floor line – attached with Z-clips or equivalent
Cavity Insulation – Use either 1, 2, 3 or 4	**1.** None **2.** Fiberglass batt insulation (faced or unfaced) **3.** Mineral wool insulation (faced or unfaced) **4.** Any noncombustible insulation
Exterior sheathing – Sheathing is optional when using base wall systems Numbers 1 or 2	$^{5}/_{8}$-inch thick, Type X exterior type gypsum sheathing per ASTM C1396.
Weather-resistive barrier applied to gypsum sheathing or directly to Base Wall Systems Number 1 or 2 – Use either 1, 2, 3, 4, 5, 6, 7, 8 or 9	**1.** TK-AirMax 2101 Non-Permeable SB **2.** TK-AirMax 2102 Non- Permeable SB **3.** TK-AirMax 2103 Non - Permeable WB **4.** TK-AirMax 2104 Vapor Permeable WB **5.** TK-AirMax 2105 Vapor Permeable SB **6.** TK-HydroMax 2001 SB **7.** TK-HydroMax 2002 SB **8.** TK-HydroMax 2003 WB **9.** TK-Climate Tech 2206
Exterior Insulation	Extruded Polystyrene Foam Insulation (XPS) – Type IV per ASTM C578 – Total thickness to be a minimum of ½ inch to maximum of 3 inches. On insulation joints, an asphalt, acrylic, or butyl-based flashing tape – maximum 4-inch width may be used.
Exterior Veneer **Use either 1, 2, 3, 4 or 5**	**1.** Brick – Standard nominal 4-inch thick, clay brick. Brick installed with standard type veneer anchors at maximum 24 inches o.c. vertically on each stud. Maximum 2-inch air gap between exterior insulation and brick. **2.** Concrete – 2 inches thick or greater. Maximum 2-inch air gap between exterior insulation and concrete. **3.** Concrete masonry units – 4 inches thick or greater. Maximum 2-inch air gap between exterior insulation and CMU. **4.** Stone veneer – Minimum 2-inch thick, Limestone or natural stone veneer or minimum 1 ½ -inch thick cast artificial stone veneer. Any standard non-open-joint installation technique such as ship-lap, etc. can be used. **5.** Terracotta cladding – Use any terracotta cladding system in which terracotta is minimum 1 ¼ - inch thick. Any non-open-joint installation technique such as ship-lap, etc. may be used.
Special Conditions	Use header treatment shown in Figure 1 for all window and door openings in wall.

For SI: 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 lb/ft^3 = 16.02 kg/m^3

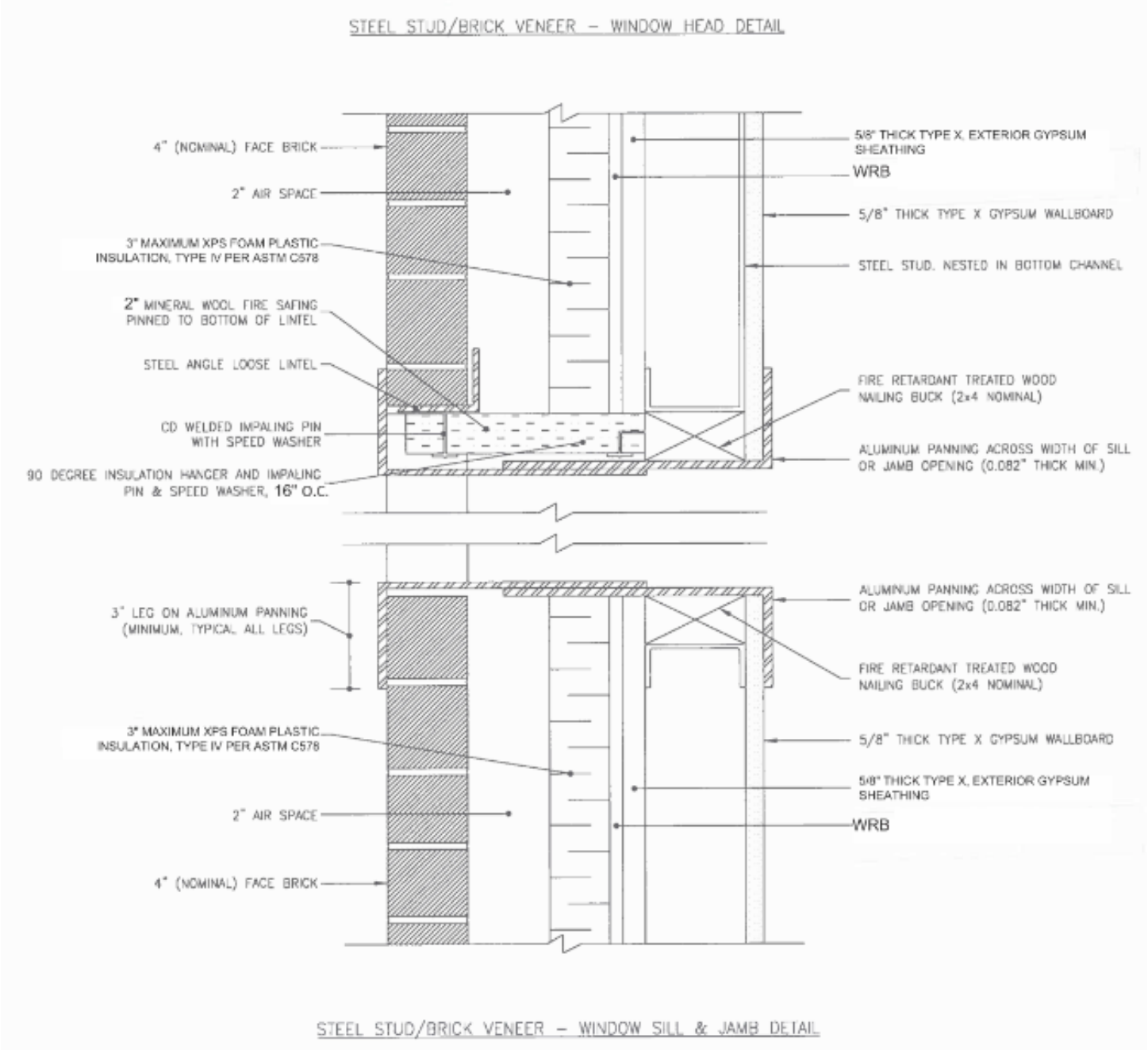


FIGURE 1
WINDOW AND DOOR OPENING DETAILS