



# LISTING REPORT

Number: **UEL-5006**

Originally Issued: 05/08/2017

Revised: 06/17/2025

Valid Through: 05/31/2026

**TK PRODUCTS**  
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**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 285-23; 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 – 23, 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.

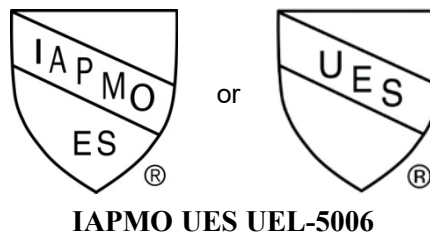
**2.4** The products recognized in this report are produced by TK Products in Minnetonka, MN.

## 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:



*The product described in this Uniform Evaluation Service (UES) Report has been evaluated as an alternative material, design or method of construction in order to satisfy and comply with the intent of the provision of the code, as noted in this report, and for at least equivalence to that prescribed in the code in quality, strength, effectiveness, fire resistance, durability and safety, as applicable, in accordance with IBC Section 104.11. This document shall only be reproduced in its entirety.*

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## 5.0 SUBSTANTIATING DATA

**5.1** Reports of vertical fire propagation in accordance with NFPA 285.

**5.2** Test reports are from laboratories in compliance with ISO-IEC 17025.

standards shown in Section 1.0 of this report and serves as documentation of the product certification. Products are manufactured at a location noted in Section 2.4 of this report under a quality control program with periodic inspection under the supervision of IAPMO UES.

For additional information about this listing report please visit [www.uniform-es.org](http://www.uniform-es.org) or email at [info@uniform-es.org](mailto:info@uniform-es.org)

## 6.0 STATEMENT OF RECOGNITION

This listing report describes the results of research completed by IAPMO Uniform Evaluation Services on TK Products TK AirMax and TK HydroMax to assess conformance to the

**TABLE 1 – NFPA 285 Complying Exterior Wall Assemblies  
(cont'd next page)**

Wall Component	Materials
<b>Base Wall System (BWS) -</b> Use either 1, 2 or 3	1 – Concrete wall 2 – Concrete masonry wall 3 – 1 layer of 5/8-inch thick Type X gypsum wallboard installed on the interior side of minimum 3 5/8-inch deep minimum No. 20 gauge thick steel studs spaced a maximum of 24 inches on center. Lateral bracing installed minimum every 4 feet vertically or as required.
<b>Floor-line Firestopping<sup>1</sup></b>	Wall stud cavities shall be filled at each floor line with minimum 4 pcf density mineral wool (e.g. Thermafiber) attached with Z-clips or equivalent.
<b>Cavity Insulation</b> 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
<b>Exterior Sheathing</b> Optional when using BWS 1 or 2	1 – None (for BWS 1 or 2 above) 2 – 5/8-inch thick Type X exterior type gypsum sheathing
<b>Weather-resistive Barrier</b> apply directly to exterior gypsum sheathing or to BWS 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 <sup>3</sup> 7 – TK-HydroMax 2002 SB <sup>3</sup> 8 – TK-HydroMax 2003 WB <sup>3</sup> 9 – TK-Climate Tech 2206
<b>Exterior Insulation</b>	Extruded Polystyrene Foam Insulation (XPS) – Type IV complying with ASTM C578, 1/2-inch minimum thickness, 3-inch maximum thickness. Joints shall have an asphalt, acrylic, or butyl-based flashing tape – 4-inch maximum width.



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<b>Exterior Veneer<sup>2</sup></b> Use either <b>1, 2, 3, 4</b> or <b>5</b>	<b>1</b> – Brick – standard nominal 4-inch thick clay brick installed with standard type veneer anchors spaced maximum of 24-inches on center vertically on each stud. Maximum 2-inch air gap between exterior insulation and brick. <b>2</b> – Concrete – 2-inch thick or greater. Maximum 2-inch air gap between exterior insulation and brick. <b>3</b> – Concrete Masonry Units – 4-inch thick minimum. Maximum 2-inch air gap between exterior insulation and brick. <b>4</b> – Stone Veneer – Minimum 2-inch thick Limestone or natural stone veneer or minimum 1½ -inch thick cast artificial stone veneer installed without open joints <b>5</b> – Terracotta Cladding – Minimum 1¼-inch thick terracotta cladding installed without open joints.
<b>Special Conditions</b>	The header treatment shown in Figure 1 of this report shall be used for all window and door openings in the wall.

**SI:** 1 inch = 25.4 mm, 1 foot = 304.8 mm, 1 lb/ft<sup>3</sup> = 16.02 kg/m<sup>3</sup>

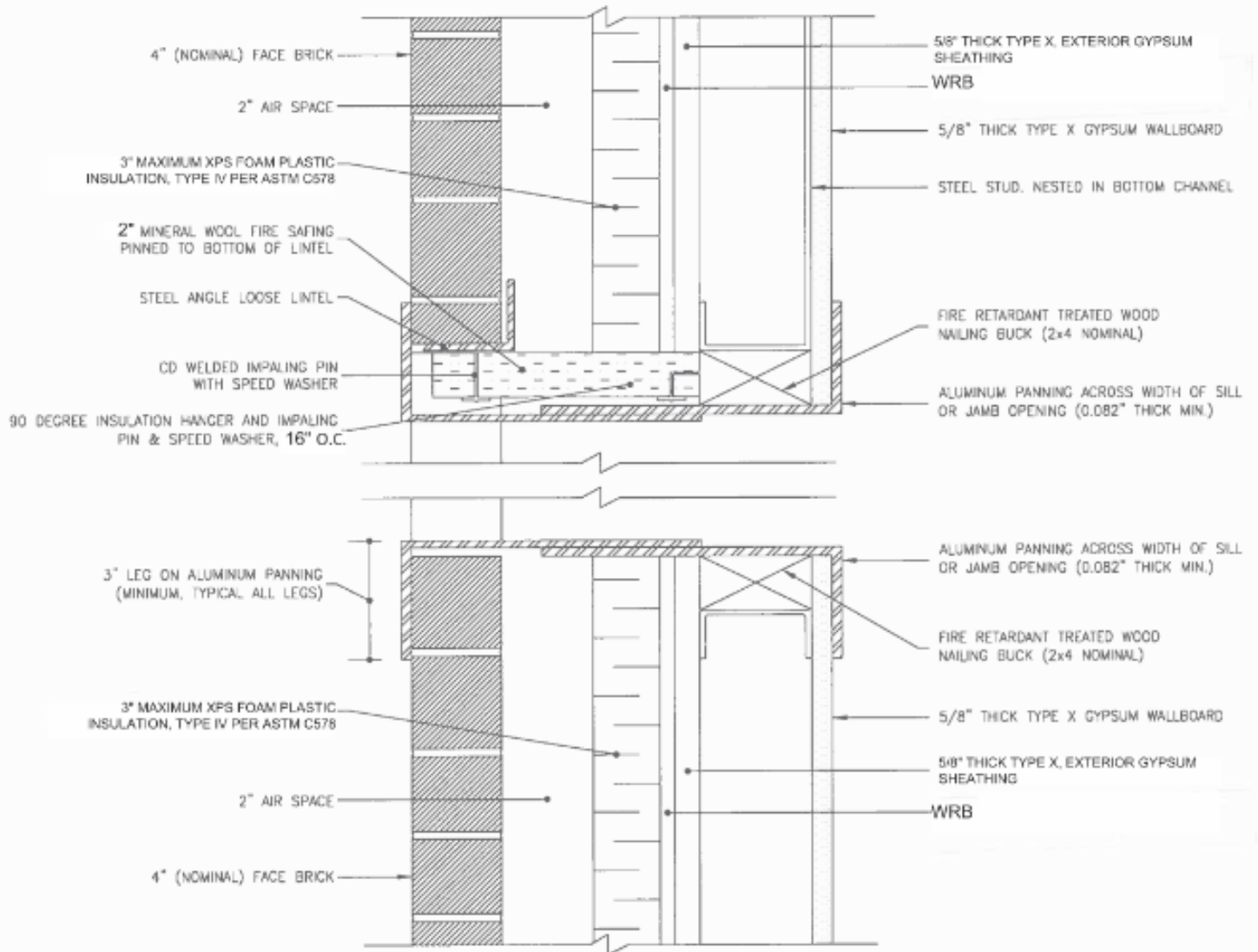
<sup>1</sup> Fire blocking per Section 718 and thermal barrier material requirements per Section 2603.4 of the 2024, 2021, 2018, and 2015 IBC shall be met for Base Wall Systems 1 and 2, as required by specific wall construction details when a combustible concealed space is created on interior side of exterior wall assembly.

<sup>2</sup> Exterior wall coverings shall be installed in accordance with the manufacturer's installation instructions and shall comply with the provisions of Chapter 14 of the IBC and Chapter 7 of the IRC, as applicable.

<sup>3</sup> Coating shall be installed 25 mil wet (22 mil dry), approximately 64 square feet per gallon.



## STEEL STUD/BRICK VENEER - WINDOW HEAD DETAIL



**FIGURE 1**  
**WINDOW AND DOOR OPENING DETAILS**