

May 15, 2008

AZEK Building Products  
Scranton, PA

File R25787  
Project 07CA55127

## **SUBJECT**

UL CLASSIFICATION of decking materials for use in wildland-urban interface fire areas.

## **PRODUCT COVERED**

The Products covered by this UL Classification project are the composite decking boards designated “**AZEK Deck**” (1×4 and 1×6 profiles).

The Products are in accordance with Section 704A.4.1 “Decking.” of California Building Code (2006) relative to external fire exposure.

The Products are in accordance with Title 3, Division 5, Chapter 3, Sec. 26.3.6.2 “Decking Surfaces.” of the County of San Diego Consolidated Fire Code (2007) relative to external fire exposure.

The Report for Project 07CA55127 is currently being written.

## **DESCRIPTION**

The basic standard used to investigate the product covered is the “California Building Code” (2006), Section 704A.4.1, “Decking.” This code references the performance testing described in California State Fire Marshall (SFM) Standard 12-7A-4, “Decking.” This test method evaluates the heat release rate of deck boards when exposed to a burner flame simulating combustibles beneath a deck flame.

Table 1: Performance Properties for Deck Boards

Test	Requirement
12-7A-4 Under Deck	Effective net peak heat release rate $\leq 25 \text{ kW/ft}^2$ after UBC 23-4 weathering
UL 723/ASTM E84 Surface Burning Characteristics	Report flame spread index (FSI)

The adjunct standard used to investigate the product covered is the County of San Diego Consolidated Fire Code (2007), Section 26.3.6.2 “Decking Surfaces.” This code references the

performance testing described in California State Fire Marshall (SFM) Standard 12-7A-4, “Decking.” This test method evaluates the behavior of deck boards when exposed to a (1) burner flame simulating combustibles beneath a deck flame, and (2) a Class B burning brand on the deck.

Table 2: Adjunct Performance Properties for Deck Boards

Test	Requirement
12-7A-4 Under Deck	<ol style="list-style-type: none"> <li>1. Effective net peak heat release rate <math>\leq 25 \text{ kW/ft}^2</math>.</li> <li>2. No sustained flaming at the conclusion of the test.</li> <li>3. No falling particles that are still burning when reaching the floor.</li> <li>4. No structural failure of any deck board.</li> </ol>
12-7A-4 Burning Brand (Class B)	<ol style="list-style-type: none"> <li>1. No sustained flaming at the conclusion of the test.</li> <li>2. No falling particles that are still burning when reaching the floor.</li> <li>3. No structural failure of any deck board.</li> </ol>

**USE**

The product is intended for use as a building material as permitted by authorities having jurisdiction.