

# **ABIC TESTING LABORATORIES, INC.**

24 Spielman Road  
Fairfield, NJ 07004

973-227-7060  
Fax: 973-227-0172

To: Mr. Chuck Antonucci  
Kährs Karelia

June 7, 2016

From: Leonard Mackowiak

Subject: Flammability Testing  
Project No 5558-04

## **Introduction**

ABIC Testing Laboratories, Inc. was authorized to test the following wood flooring. The sample was tested for flammability according to ASTM E-648, FTM Standard 372 and NFPA 253

- **Kährs Karelia Multi-Layer 14mm Flooring**

## **Methodology**

Triplicate samples were tested with a sample size measuring approximately 10 inches by 42 inches. The tile was pieced to attain this test size. Test conditions:

- Lose laid on calcium silicate board using no adhesive
- Conditioned for 96 hours @  $21 \pm 3^{\circ}\text{C}$ ,  $50 \pm 5\%$  relative humidity before testing

## **Results**

<b><u>Time</u></b>	<b><u>Distance</u></b>	<b><u>Critical Radiant Flux (CRF)</u></b>	<b><u>Average CRF</u></b>	<b><u>NFPA* Classification</u></b>
11 min	29.2 cm.	0.44 W/cm <sup>2</sup>	<b>0.45 W/cm<sup>2</sup></b>	<b>Class I</b>
10 min	29.0 cm.	0.46 W/cm <sup>2</sup>		
11 min	28.6 cm.	0.45 W/cm <sup>2</sup>		

\* National Fire Protection Association

**NFPA Standard:** Class I: Critical Radiant Flux 0.45 W/cm<sup>2</sup> or higher  
Class II: Critical Radiant Flux 0.22-0.44 W/cm<sup>2</sup>

## **Discussion**

The **Kährs Karelia Multi-Layer 14mm Flooring** has an

NFPA Classification as a Class I material.

Respectfully Submitted



Leonard Mackowiak  
Vice President