

KUVIO FLAMMABILITY SUMMARY

FLAMMABILITY RATING

The International Building Code (IBC) uses ASTM E84 flammability classification system for Kuvio Wall Tiles. ASTM E84 testing measures flame spread and smoke development of samples placed in a test chamber and subjected to an open flame. Results are reported as Flame Spread Index (FSI) and Smoke Developed Index (SDI) and are used to classify materials in three possible categories (Class A, Class B, or Class C) as shown in Table 1 below.

Table 1. ASTM E84 flammability classification system		
CLASSIFICATION	FSI (FLAME SPREAD)	SDI (SMOKE DEVELOPED)
Class A	0 to 25	≤450
Class B	26 to 75	≤450
Class C	76 to 200	≤450

KUVIO ASTM E84 RESULTS

See Table 2 below for a summary of current flammability ratings for Kuvio tiles.

Table 2. Kuvio Flammability Classification status		
FSI (FLAME SPREAD)	SDI (SMOKE DEVELOPED)	CLASSIFICATION
20 (Class A)	450 (Class A)	The material results in a Class A rating.

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