

## Needle Punch Carpet Fire Report

**KriAtiv™** INDOOR / OUTDOOR CARPET

### FIRE REGULATIONS FLOORING AND FLOOR COVERINGS

Project Floors - Kriativ Range of needle punch carpet complies for use in all areas.

Flooring includes flexible finishes such as carpets, vinyl sheet or tiles, and finished or unfinished floor surfaces. Fire properties of floor surfaces are evaluated using ISO 9239 - 1:2010 (floor radiant panel test). Minimum requirements in all buildings, excludes household units, are a critical radiant flux (CRF) of not less than 1.2 kW/m<sup>2</sup>.

A CRF of not less than 2.2 kW/m<sup>2</sup> is required in the following locations:

- Unsprinklered firecells with an occupant load more than 50 people.
- Sleeping areas in sprinklered buildings where care or detention is provided.
- All exitways (except as follows).

A CRF of not less than 4.5 kW/m<sup>2</sup> is required in the following location:

- Sleeping areas and exitways in unsprinklered buildings where care or detention is provided.

Project Floors' - Kriativ Range of needle punch carpet flooring has been tested to ISO 9239 .1:2010 and achieved a mean of 11kW/m<sup>2</sup>.

### C3 – FIRE AFFECTING AREAS BEYOND FIRE SOURCE (continued)

PROVISIONS (b) floor surfaces materials in the following areas of buildings must meet the performance criteria specified below:

### REACTION-TO-FIRE PERFORMANCE COMPLIANCE

AREA OF BUILDING	MINIMUM CRITICAL RADIANT FLUX WHEN TESTED TO ISO 9239-1: 2010		
	Buildings not protected with an automatic fire sprinkler system	Buildings protected with an automatic fire sprinkler system	EcoTX complies?
Sleeping areas and exitways in buildings where care or detention is provided	4.5 kW/m <sup>2</sup>	2.2 kW/m <sup>2</sup>	✓ 11 kW/m <sup>2</sup>
Exitways in all other buildings	2.2 kW/m <sup>2</sup>	2.2 kW/m <sup>2</sup>	✓ 11 kW/m <sup>2</sup>
Firecells accommodating more than 50 persons	2.2 kW/m <sup>2</sup>	1.2 kW/m <sup>2</sup>	✓ 11 kW/m <sup>2</sup>
Exitways in all other buildings	1.2 kW/m <sup>2</sup>	1.2 kW/m <sup>2</sup>	✓ 11 kW/m <sup>2</sup>

### CLASSES OF REACTION-TO-FIRE PERFORMANCE

Project Floors - ProTile - EcoTX Range of carpet tiles complies to the following classes:

A2FL S1, BFL S1, CFL S1, DFL S1

As the Radiant Flux mean is 11kW/m<sup>2</sup> and the Smoke value mean is 16%<sup>m2</sup>