

Fire Risk Statement



FACT SHEET

TigerTurf products for indoor

If the synthetic turf is to be installed inside, it must comply with the building code with the appropriate fire testing certification. The code calls for a **MINIMUM** critical radiant flux when tested to ISO 9239-1 of between 1.2 and 4.5 kW/m² depending on the area within the building and the building's Risk Group.



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What legislation is relevant?

"The New Zealand Building Code Clauses C1-C6 Protection from Fire". The new code uses a fire test method for floor coverings: Critical Radiant Flux tested to ISO 9239-1. The fire test ISO 9239-1 is only for floor installations not wall installations. All this is governed by the Building Regulations 1992. Each building needs to be matched to a Risk Group, which is paired with an Acceptable Solution. Risk Groups are assigned depending on the buildings use. Below is a table which describes these succinctly.

What are our products and what are the fire ratings?

System	Rating	Sand/m ²	Building
Premier	2.4	n/a	All buildings
Pureputt	5.8	7.5kgs	All buildings
Summer Envy 35	6.7	12kgs	All buildings
Envy35	6.7	12kgs	All buildings
Summer Envy 35 XWR	6.7	12kgs	All buildings
Envy35 XWR	6.7	12kgs	All buildings
Serenity 40	8.0	15kgs	All buildings
TigerPlay	8.6	9kgs	All buildings
Tournament 1000	10.4	16kgs	All buildings
Advantage	10.7	10kgs	All buildings
WETT Pro	6.1	6kgs	All buildings
Evo Pro	6.0	10kgs	All buildings
Trophy	10.0	10kgs	All buildings

Area of Building	Minimum critical radius flux when tested to ISO 9239-1:2010	
	NO automatic fire sprinkler system	Automatic fire sprinkler system
Sleeping areas and exit ways in buildings where care or detention is provided	4.5 kW/m ²	2.2 kW/m ²
Exit ways in all other buildings	2.2 kW/m ²	2.2 kW/m ²
Fire-cells accomodating more than 50 persons	2.2 kW/m ²	1.2 kW/m ²
All other occupied spaces except household units	1.2 kW/m ²	1.2 kW/m ²

*The amount of energy required to sustain the combustion expressed as kW/m²

Care = places like hospitals
Detention = prison cells and the like

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Who is responsible for what?



Responsibilities of owner

An owner is responsible for –

- 1 Obtaining any necessary **consents, approvals, and certificates:**
- 2 Ensuring that building work carried out by the owner **complies with the building consent** or, if there is no building consent, with the building code.



Responsibilities of designer

- 1 In subsection (2), designer means a person who prepares plans and specifications for building work or who gives advice on the compliance of building work with the building code.
- 2 A designer is responsible for ensuring that the plans and specifications or the advice in question are sufficient to result in the building work complying with the building code, if the building work were properly completed in accordance with those plans and specifications or that advice.



Responsibilities of product manufacturer or supplier

- 1 In subsection (2), product manufacturer or supplier means a person who manufactures or supplies a building product and who states that the product will, if installed in accordance with the technical data, plans, specifications, and advice prescribed by the manufacturer, comply with the relevant provisions of the building code.
- 2 A product manufacturer or supplier is responsible for ensuring that the product will, if installed in accordance with the technical data, plans, specifications, and advice prescribed by the manufacturer, comply with the relevant provisions of the building code.

What are the penalties/costs under the act if breached?

Chief Executive (Chief Executive of the Ministry for Business, Innovation and Employment) may issue warning about, or ban use of, building methods or products.

- 1 This section applies if the chief executive considers on reasonable grounds that the use of a building method or product has resulted, or is likely to result, in a building or building work failing to comply with the building code.
- 2 The chief executive may –
 - // issue a warning about the building method or product; or
 - // declare a ban on the building method or product.
- 3 The chief executive must publicly notify –
 - // the warning or ban; and
 - // the date on which the warning or ban comes into force; and
 - // in the case of a ban, whether the ban applies to building work for which a building consent has been issued before the date on which the ban comes into force; and
 - // whether the procedure in section 29 has been followed in relation to the warning or ban.
- 4 The chief executive –
 - // may, at any time, amend or revoke the warning or ban; and
 - // must publicly notify–
 - // the amendment or revocation; and
 - // the date on which the amendment or revocation comes into force.
- 5 They can order to have us remove any product and have it replaced with something that complies with the building code.



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