

Teknos Norge A/S
Industriveien 28
N-3430 Røyken
Norway

Classification report: Durability of reaction to fire - Performance class for fire-retardant treated spruce - Teknos FR Facade

Product

Fire-retardant treated (FRT) wood of spruce, with thickness 21 mm, surface treated with treatment Teknos FR Façade and supplied by Teknos Norge A/S, Norway.

Product specification

According to the client:

- Spruce panel, painted with primer 350 g/m² (wet) Teknosafe 2407.
- The panel is delivered overlaid with topcoat 150 g/m² (wet) waterborne acrylic industrial system (Nordic Eko 3330-03).

Requirements

The following requirement criteria given in Nordtest Method NT Fire 054 have to be fulfilled:

Reaction to fire class, initial	Hygroscopic properties	Reaction to fire performance after weather exposure
Relevant and recognised reaction to fire class	- moisture content < 30 % - no visible salt at surface	Maintained reaction to fire performance

Evaluation documents

- Reaction to fire class, initial: SP report PX05884-01 and PX05884-01A.
- Hygroscopic properties: SP report PX05884A.
- Reaction to fire performance, after weather exposure: SP report PX05884B and PX05884C.

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Product performance

	Spruce panel, untreated	FRT spruce panel
Reaction to fire performance, initial	-	European fire class: B-s1, d0
Hygroscopic properties according to NT Build 504	Moisture content: 19 %	Moisture content: 18 % Salt at surface: No
Reaction to fire performance after weather exposure according to NT Fire 053 Method B	-	Reaction to fire performance maintained: Yes

Durability of Reaction to Fire performance (DRF) Class

Teknos FR Façade according to the product specification above fulfils the requirements for **DRF Class INT** – for interior applications.

Teknos FR Façade according to the product specification above fulfils the requirements for **DRF Class EXT** – for exterior applications.

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