


CASE STUDY

Sports Facility & Gymnasium

The Hornby Primary School gymnasium project involved the construction of a 550m² Administration Block and Sports Facility in 2017. Strandboard was used to line the gymnasium and required a clear, durable Group 1-S rating.

Size	550m ²
Location	Christchurch, New Zealand
Date	2017
Fireshield Systems	TimberClear + Top Coat
Substrate	Strandboard (Timber)
Architect/Builder	Hann Construction
Awards	-

The specified timber wall lining was Strandboard in the gymnasium. It's incredibly high density is second to none for impact resistance and delivers a striking textured appearance unlike any other robust wall lining material.

The issue for the Architects was to specify a coating that has:

- A Group 1-S surface rating to comply with the NZBC C/AS2 - C/AS6 for fire performance to the gymnasium wall linings.
- A clear finish to preserve the appearance of the strandboard.
- the durability to be fit for purpose to cope with the impact from children and the sports played in the space.

Fireshield TimberClear + Top Coat (matt) was specified to provide the clear finish required while also providing the certified system to achieve the Group 1-S rating. The system was spray applied by the Registered Applicator for the best possible finish quality.

The Top Coat matt finish preserves the natural look of the Strandboard and is still able to be cleaned as per the Fireshield Maintenance Guide.

Update July 2020: Fireshield inspected the site three years after installation and the coating has performed as expected and shows no sign of damage other than surface scuff marks which could be cleaned off easily as per the Maintenance Guide. It is a fit for purpose system suitable for school gymnasium sports facility.

