

CASE STUDY

NELSON BAY RESIDENTIAL DEVELOPMENT

Nelson Bay, NSW

Project Overview

Partner Green Build
Construction

Works External cladding
system and fire-rated
party wall solution for
multi-residential
construction

Products Dulux® Acratex®
StoneShield™
Cladding System
and Dulux Acratex
coating system



The Challenge

The project was designed to deliver modern, high-quality housing in a coastal environment, with a strong focus on durability, performance and aesthetics. While Exsulite was specified for the majority of the building envelope, the party walls between dwellings required a compliant Fire Resistance Level (FRL) solution to satisfy NCC requirements. Traditional alternatives such as masonry or concrete panels would have added weight, complexity and installation time.



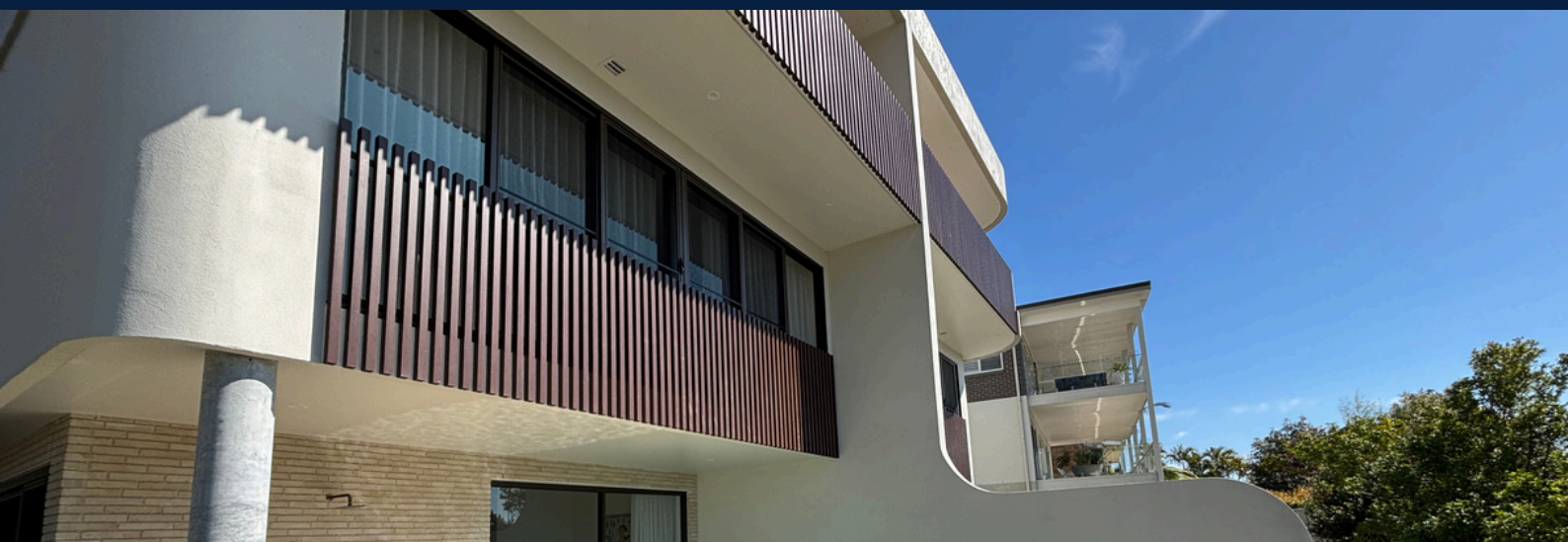
The Solution

The Dulux Acratex StoneShield Cladding System was selected for the fire-rated party walls, working alongside Exsulite to create an integrated façade solution. As a CodeMark-certified, non-combustible system, StoneShield provided the required FRL performance while maintaining compatibility with the Exsulite system used elsewhere on the project. Similar installation methods allowed a smooth transition between materials, helping the builder maintain construction momentum. The lightweight system also simplified handling and installation, supporting faster progress and reducing overall site complexity.

“StoneShield solves many of the issues contractors face on site - speed, weight, acoustics and thermal. It ticks a lot of boxes - on top of meeting fire compliance across NCC classifications.”

Romina Basto -

Specification & Compliance Manager, Dulux Acratex



The Results

The Nelson Bay development demonstrates how complementary cladding systems can work together to meet compliance requirements without compromising design outcomes. The result is a high-performing, visually cohesive development that showcases the benefits of a smarter, more efficient approach to multi-residential construction.



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