

## FIREPROOFING PRODUCT CASE HISTORY

### CHRISTCHURCH HOSPITAL - Outpatient Building



|                      |                                     |
|----------------------|-------------------------------------|
| <b>PROJECT:</b>      | Earthquake repair and redevelopment |
| <b>LOCATION:</b>     | Central Christchurch, New Zealand   |
| <b>APPLICATOR:</b>   | The Connect Group                   |
| <b>FABRICATOR:</b>   | Pegasus Engineering                 |
| <b>DATE:</b>         | 2018                                |
| <b>SALESPERSON:</b>  | Thad Meehan & Donovan Erasmus       |
| <b>SUBSTRATE:</b>    | Mild Steel                          |
| <b>PROJECT SIZE:</b> | 10,000m <sup>2</sup>                |



#### SURFACE PREPARATION

All steel work has been prepared to SSPC-SP10 (AS1627.4 Class 2½)

#### SYSTEM

|                                |   |
|--------------------------------|---|
| <u>Interior Concealed:</u>     | Carboguard 504 @ 75µm DFT   |
| <u>Interior Concealed FRR:</u> | Carboguard 504 @ 75µm DFT followed by Firetex FX2003  |
| <u>Interior Exposed:</u>       | Carboguard 504 @ 75µm DFT followed by two coats of Uracryl 802 @ 40µm DFT each  |
| <u>Interior Exposed FRR:</u>   | Carboguard 504 @ 75µm DFT followed by Firetex FX2003 and two coats of Uracryl 403 @ 40µm DFT                                      |
| <u>Exterior Exposed:</u>       | Carbozinc 859 E22 @ 75µm DFT followed by Carboguard 636 @ 125µm DFT and two coats of Uracryl 402 @ 50µm DFT                       |
| <u>Exterior Exposed FRR:</u>   | Carbozinc 859 E22 @ 75µm DFT followed by Carboguard 504 @ 50µm DFT then Nullifire SC902 and three coats of Uracryl 403 @ 50µm DFT |

#### EXPOSURE

Interior Steelwork: C1, Very Low

Exterior Steelwork: C2, Low to C3, Medium

#### OVERVIEW

This building is part of a \$600 million earthquake repair and redevelopment by the Christchurch District Health Board (CDHB). The building provides outpatient and other clinical services including among others endocrinology, ophthalmology and dental.

Project Architect: CCM Architects Ltd

Main Contractor: Leighs Construction Ltd

Structural Engineer: WSP Opus—Christchurch (formerly Opus International Consultants Ltd)