

CSR Gyprock Certification of Plasterboard Linings

Date: 2013 - Present

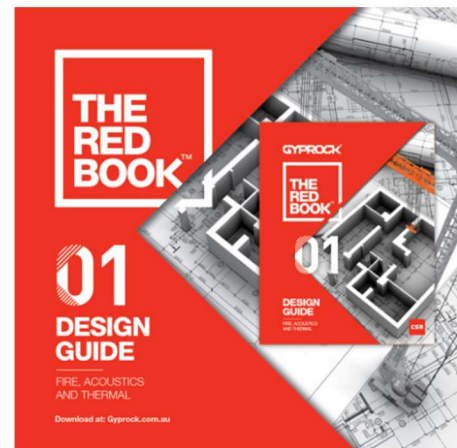
Client: CSR Building Products

Project Description:

David Beneke Consulting have been involved in the research and development and certification of CSR Gyprock plasterboard lining systems since 2013. Our focus for this work has been on the following:

- Developing span tables for internal lining applications. This involves developing structural design spreadsheets as well as assisting CSR with small scale connection testing for various fastening methods and puff box testing of specimen assemblies. Applications include that for internal walls and ceilings for both residential (AS4055 internal wind pressures) and commercial (AS1170.2 internal wind pressures). Our certifications in this regard reference the "Red Book" which is considered the industries most recognised plasterboard lining guide.
- Compliance testing – this usually involves 3rd party witnessing of the following test types:
 - Soft body impact testing
 - Hard body impact testing
 - Indentation testing
- Investigations into new material formulations and their impact on allowable spans and fastener spacings.

GYPROCK®



Example of an residential application*



Example of an internal ceiling installation*

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* Photos courtesy of CSR Gyprock website