

Rating 1 rating after 6 years for internal steelwork

Bunnings Cannington
Perth, WA

Project partners

Asset owner: Bunnings
Fabricator: Fremantle Steel Group
Applicator: Kaefer Novacoat Pty Ltd

Challenge

At Bunnings Warehouse in the southern Perth suburb of Cannington, protection and a high gloss finish were required for all the internal steel.

As the steel was coated offsite, our system needed to be durable enough to withstand travel and installation, as well as contact from people and products in-store. Excellent coatings integrity and film thickness around boltholes were required to prevent rust.

Coatings solutions

A two-coat system delivered a durable, high gloss finish. Primer Dulux® Durepon® EZP is a two pack epoxy primer enhanced with zinc phosphate pigment for inhibitive corrosion protection on mild steel. The topcoat Dulux® Luxathane® HPX is a high performance, recoatable finish with outstanding gloss retention. It can be tinted with over 5,000 colours.

- **Primer:** Dulux® Durepon® EZP at 75-microns (µm) DFT
- **Topcoat:** Dulux® Luxathane® HPX at 50-microns (µm) DFT

Coating rating after 6 years

Level 1*

Results

A full visual inspection at Bunnings Cannington found the coatings system to be in excellent condition, six years after the initial application.

There was no discolouration of the white topcoat, which had retained its high gloss finish.

There were isolated areas of delamination, due to items hitting against the steel or movement at the bottom of posts.

* Coating Inspection 5-Level Rating System

Coatings are inspected to determine the degree of deterioration. Ratings indicate the following condition status:

- No film damage other than dirt and minor staining
- Soiled, stained, ingrained dirt, chalking or loss of gloss
- Minor film damage (cracking, flaking or erosion of topcoats) in small areas
- Minor corrosion where up to 0.5% of the base metal is showing signs of rusting
- Widespread and excessive corrosion and damage

Bunnings
Cannington, WA

Coating inspection
at the bottom of
posts within the
foot traffic area