Kwinana Port

Case Study
C1222-002

Year
2022

Client
CBH

Site/Location
Kwinana

Region
Perth, Western Australia

Scope

Reclaim road and overlay surface Course

Total Production
320M2

Product Type
C-12 Black

Carbon Sequestered
16T

Total Tonnes Placed
40T

Safety
Zero LTIs

Project Summary

In May 2022 CBH Group engaged C-Twelve to rehabilitate a section of road within their Kwinana Terminal. The treatment was a 30mm overlay on the existing wearing course.

The material used for the resurfacing was a C-Twelve propriety cold mix emulsion-based Asphalt product; C-12 Black. The installation was able to demonstrate the product's ability to sequester carbon through the addition of biochar into the surfacing layer.

The C-12 Black product simplified the installation process by being a Coldmix Emulsion-based asphalt, removing the typical short working windows that Hot Mix asphalt projects encounter.

Significant testing was carried out and indicated no sign of fatigue, demonstrating the structural performance of the installed surfacing layer.

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