

**Client:**

Main Roads

Main Contractor:

Queensland Bridge & Civil

Specialist Sub-contractors:

SEALS Group

Project description:

Pavement Stabilisation

Location:

Bruce Hwy, Yaamba, Qld

Date:

July 2010

Product:

PolyCom Stabilising Aid

For detailed project information contact:

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Project Facts

Pavement stabilisation - heavy vehicles

Problem:

The upgrading and/or construction of new heavy vehicle parking areas is an essential but costly process. The availability of good quality materials in some areas is an ongoing problem and the construction of these assets over low strength sub-grades presents a further cost burden.

With the above scenario in mind, identifying a stabilising agent capable of improving the the strength of both the sub-grade and pavement material and in addition increase water resistance was a high priority. Easy installation by on site grader crews would be another bonus helping to make the project a more economical exercise.

Stabilising to add durability and longevity to the newly constructed area is seen as a better use of available funds. Additionally, the stabilised area needs to re-workable to provide for future serviceability to these areas.

Solution:

In this case the sub-grade area was sound and had been suitably prepared. SEALS Group were engaged to stabilise the newly placed gravel (150mm) with PolyCom stabilising aid. This stabilisation would be carried out using the site grader crew.

Project Aims Achieved:

1. Improve durability and weather immunity of truck parking areas
2. Reduce ongoing maintenance requirements
3. The ideal solution was delivered with simplicity and at low cost



June 2012 - two years after the works.

This area is in very good condition with no evidence of pot holing or material loss. Surface matrix is strong and tight.