

USING POLYKERBS FOR THE A2/A282 DARTFORD IMPROVEMENT SCHEME



The problem

The more traditional type of pre-cast concrete kerbs and drainage blocks often required being cut to size and are heavy to handle on site.

The risks

Cutting concrete paving kerb and drainage blocks can produce enormous amounts of dust containing respirable crystalline silica (RCS). Breathing that dust will put workers health at risk. There are also risks from noise, hand arm vibration, flying debris and manual handling



The solution

Costain decided to incorporate alternative products against the more traditional type of pre-cast concrete kerb and drainage blocks. The initial reasoning was to reduce the loading on the four structures in which these products were to be incorporated. Beside the production and commercial wins, there were health and safety benefits

Key points:

- Looking at alternative products is an essential part of the risk management process.
- Revising current practices can reduce or even eliminate health & safety hazards.
- Production and commercial wins to be gained

The benefits

- In total these structures measured 1,025m in length (2 x 250m; 1 x 475m and 1 x 75m). With a four-man gang they were achieving outputs of 250m a day.
- Due to the design, there was no need to cut any of the products, thus eliminating any potential harm to the respiratory system.
- Due to the reduced weight of each unit, which varies between 6kg and 14.5kg we were able to significantly reduce manual handling risks

Further information

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