



Case

STUDY

ARMORMAX®

Mercedes Benz, Ashford
Erosion Control



MARKET SECTOR:
Commercial



LOCATION:
Mercedes Benz, Monument Way,
Willesborough, Ashford, TN24 0HB



INSTALLER:
Precision Cutting Ltd

The BACKGROUND

As part of an expansion at Mercedes Benz, Ashford a new vehicle storage area was being built.

In order to create the required space for the vehicle storage area, an existing stream had to be diverted. To maximise the land gain the new channel was cut as close to the site boundary as possible.

Our Client's REQUIREMENTS

A sustainable solution for stability and erosion control

Colas Group contacted Geosynthetics Ltd to propose a solution that would maintain stability, provide erosion control, and facilitate the establishment of vegetation on the channel sides.



Our Value Engineered **SOLUTION**

Having undertaken analysis of the slope it was concluded that Geosynthetics' ARMORMAX® solution would be the most suitable.

Detailing and installation of the solution was complicated by the lack of space beyond the crest for an anchor trench, the channel having already been cut, access only being available to one side of the channel and water being present in the channel.

To ensure a quality installation that was fit for purpose was achieved, and also so as to not impact on the construction programme, Colas decided to appoint specialist installer, Precision Cutting Ltd to install the ARMORMAX®. Although it was decided not to specifically seed the slopes, as can be seen from the photographs vegetation quickly started to establish from wind-blown seeds.

ARMORMAX® is an independently tested engineered earth armouring system comprising PYRAMAT, a High Performance Turf Reinforcement Mat, and Percussion Driven Engineered Earth Anchors. The two elements work together to lock soil in place and protect against hydraulic and non-hydraulic stresses providing a dynamic erosion control and surficial slope stabilisation solution.

