



CASE STUDY

Project: Ely High Street, Cambridge
Client: Cambridgeshire County Council
Contractor: Skanska
Paver Type: Tegula Block Paving
Area: 550m²
Resiblock Product used: Resiblock '22'
Date: August 2015



The Site

Ely is 12m (20km) North of Cambridge and sits in the heart of the Fen countryside. Dominating the skyline is Ely Cathedral, one of the biggest cathedrals in England. Ely itself was one of the country's smallest cities but is rapidly expanding and this is reflected in the growing number of shops and businesses along the High Street.

The Challenge

The existing Tegula block paving, adjacent to the shops, is subjected to HGV trafficking during the evening and early morning delivery windows. The paving, unable to withstand these lateral loads was failing. Coupled with the mechanical cleaning regimes which was removing the jointing sand during cleaning, causing paver destabilisation and thus leading to tripping hazards.

The Solution

It was decided to re-lay a proportion of the existing paving. However, there were concerns that the existing mechanical cleaning regimes would again remove the jointing sand leading to the same paver destabilisation/trip hazards. During a CPD presentation to the Cambridge County Council Highways Team and Representatives from their term Contractors, it was realised that the application of **Resiblock '22'** (a one pack moisture cured specialist pre-polymer urethane jointing sand stabiliser) would ensure no sand loss through mechanical cleaning regimes, pedestrian footfall or heavy duty trafficking and would also give protection against staining from foodstuffs, chewing gum and oil.

Benefits

Easy application and requires no specialist labour; 'Resiblock 22' binds the jointing sand preventing its removal from both natural and manmade forces. It will inhibit weed and grass growth from the joint whilst providing a significant degree of stain protection. Once cured, it remains fully elastomeric thereby accommodating the small elastic deflections incorporated in the pavement design.

Benefits at a Glance

- One pack material / Easy application
- Prevents sand loss from cleaning regimes, pedestrian footfall and heavy duty trafficking
- Inhibits the growth of weeds and grasses in the joints
- Virtually eliminates residual staining from chewing gum, foodstuffs and oil.
- Maintains structural stability
- Significantly reduces maintenance costs



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