



Epoxy Putty Case Study

Epoxy Putty Brick Repair & Restoration

Holes, cracks and chunks of missing brickwork caused by lime bow are seamlessly filled in and repaired using epoxy putty at a UK housing estate



Damaged caused by lime blow can be seen next to the 'X' marked in the brickwork



AB Original mixed with brick dust and then spittled with a wire brush created a seamless repair

Defect

if lime is present in clay bricks when they are fired, it converts to calcium oxide.

When calcium oxide mixes with water, it begins to slake in a highly vigorous process known as lime blow. This can lead to the face of the brick erupting.

Brickwork at a new housing estate in the UK was suffering from severe lime blow caused by rainwater. A building firm were asked to find a cost effective method for filling the damage to repair the brickwork.

Solution

A trial run saw Magic Sculp Sculpting Putty mixed with brick dust before the builders decided to repair all bricks using **Sylmasta AB Original Epoxy Putty**.

AB Original was mixed by hand and pressed into the brickwork, where it filled all the damage. Once applied and whilst still soft, the putty was wetted with water so that brick dust could be easily adhered to colour it.

Dust was collected from the brick and pushed into the putty. This created a material seamlessly matching the wall colour.

To give the putty an identical texture to the brick, it was then spittled with a wire brush.

Result

The application was so effective that it was all but impossible to tell afterwards where the brick had been repaired.

AB Original is now regularly used by builders, brick restorers, facilities management companies, cable installers and other trades who may need to fill or repair cracks and holes in brickwork.