

Sylmasta AB Case Study

Epoxy Putty Brick Repair & Restoration

Holes, cracks and chunks of missing brickwork caused by lime blow 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

Defect

If lime is present in clay bricks when they are fired, then it converts to calcium oxide. When calcium oxide mixes with water it begins to slake in a highly vigorous process known as lime blow, which can eventually lead to the face of the brick erupting.

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

Solution

Sylmasta recommended the use of epoxy putty. A trial run saw Magic Sculp mixed with brick dust, before the builders decided to repair all bricks with **Sylmasta AB Original Epoxy Putty**.

AB Original was mixed by hand and pressed into the brickwork, where it filled the damaged area. Once applied to the wall but whilst still soft, the putty was wetted with water and dust collected from the brick.

This dust was then pushed into the putty, creating a material which blended seamlessly with the colour of the brick. 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.

Sylmasta now supply AB Epoxy to builders, brick restorers, facilities management companies, cable installers and many other trades who may need to fill or repair cracks and holes in brickwork.



AB Original mixed with brick dust created a seamless repair with the brick

