

Epoxy Putty Case Study

Rotted Bay Sash Window Frame Repair

A bay sash window frame which rotted only eight years after installation is cleaned, stabilised and rebuilt in a seamless repair made by a homeowner



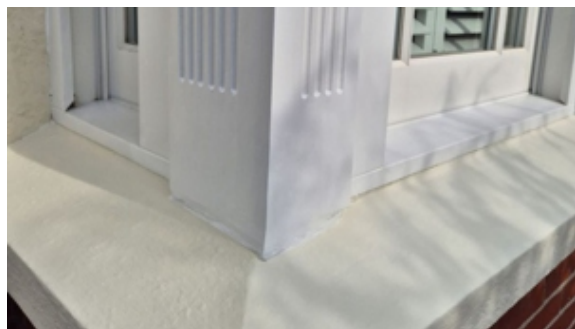
After rotted wood had been removed and the frame stabilised, AB Original filled all gaps in the corner



AB Original was smoothed off using a metal spreader and a little water before being lightly sanded down



Once AB Original cured, it left the corner fully rebuilt



The cured AB Original was painted to match the white colour of the frame, leaving no signs of any repair

Defect

Severe weather and poor preparation by the bay sash window installer meant one sharp corner of the frame had become heavily rotted in just eight years.

The rot softened the wood, then caused cracks before chunks of timber eventually fell away. It left very obvious and unsightly damage visible to visitors and passers-by which the homeowner wanted to repair.

Solution

All loose rotted timber was removed from the frame. Any remaining fragile wood was then stabilised using **CAE3 Penetrating Superglue**.

The extreme low viscosity of CAE3 allowed it to wick deep into the damaged fibres of the frame. It cured rapidly to turn all wood left soft and fragile into a rock hard material ready to be rebuilt.

This was done using **Sylmasta AB Original Epoxy Putty**. The two-hour work time of AB Original allowed the homeowner to mix, shape and apply the putty carefully without worry of it curing off quickly.

AB Original was applied direct to the frame. It easily adhered to the wood. Enough putty was added until the missing corner was rebuilt, before being smoothed off with a metal spreader and a little water.

Result

Once AB Original had fully hardened, it was lightly sanded and painted the same white colour as the sash window for a seamless restoration.

The homeowner had never used epoxy putty before. They liked how easy an AB Original Stick was to use by cutting off the putty needed and mixing by hand, as well as it not sagging or losing shape when applied.