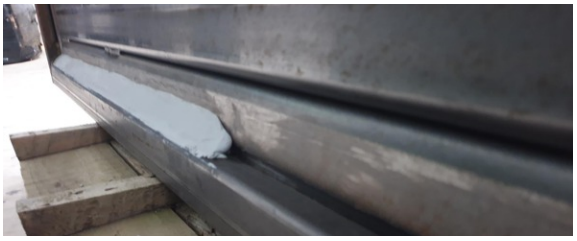
AB ORIGINAL Epoxy Putty Case Study

Protecting Wooden Entrance Gates Against Rot

After a storm destroyed wooden entrance gates to a Scottish estate, robust replacements were built with AB Original providing protection against rot

A strong steel frame was built for the replacement gates, onto which wooden slats would be fitted



AB Original was formed into a bevelled edge to create a run-off preventing water pooling at the base of the frame and rotting the slats

The gates were painted beige to appear uniformly made of wood and installed at the entrance

Defect

The destruction of the previous gates led the estate to fabricate replacements. A strong steel frame capable of withstanding extreme weather was to have wooden slats attached via stainless steel self-tapping screws.

One issue with the design was an area at the base of the frame where rainwater could pool with no means of escape other than evaporation - potentially causing future rotting to the bottom of the slats.

Solution

To prevent rainwater pooling, the estate came up with the ingenious idea of using epoxy putty to create a bevelled edge at the base of the frame.

This edge would divert water onto the ground, ensuring no contact with the wooden slats. The bottom of the slats were also bevelled, creating a 5mm gap though which water could pass.

Sylmasta AB Original Epoxy Putty was chosen for its waterproof qualities and two-hour work time, offering long enough for the putty to be formed into the shape of a bevelled edge before it cured off.

The putty easily adhered to the steel frame, and its ultra-smooth finish provided a perfect run off for rainwater. The steel frame and putty were then painted beige, making the entire gate appear wooden.

Result

Since their installation, the new gates have coped with every kind of weather Scotland has thrown at them.

Several years later and there is no sign of any rotting to the slats. This fine piece of engineering will last for a long time.

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