AB ORIGINAL Epoxy Putty Case Study

Cracked Composite Stone Water Fountain Repair

A tiered composite stone water fountain in a garden is repaired after water freezing inside the upper bowl caused the ornament to crack into pieces

The fountain upper bowl had cracked into pieces due to water freezing inside it through a harsh winter

Rapid 5 Minute Epoxy Adhesive bonded the upper bowl back together with remaining cracks and lost sections repaired using AB Original Epoxy Putty

The water fountain returned to use after the repair

Defect

A particularly harsh winter in Wales saw temperatures plummet as low as -10°C. This led water to freeze inside the upper bowl of the two-tiered stone fountain, eventually causing it to crack into several pieces.

When Spring arrived, the fountain owner decided to repair their favourite ornament. Not only did the upper bowl need to be bonded back together, but there were other cracks and missing sections requiring attention.

Solution

Rapid 5 Minute Epoxy Adhesive was used to reassemble the bowl. The two parts were extruded onto a piece of cardboard, mixed for 30 seconds and then applied to the stone area to be bonded.

The bowl was put back together and held in place with a clamp for five minutes, after which the epoxy had formed a functional bond. It was left undisturbed for a further 30 minutes to reach maximum properties.

Once the bowl had been repaired, **Sylmasta AB Original Epoxy Putty** was used to rebuild missing sections and fill cracks, adhering directly to the stone.

To disguise larger sections of AB Original, dust from the stonework was pressed into the putty. This took AB Original away from standard white and towards the fountain colour, helping the repair blend in.

Result

The repair left the home owner with a watertight, robust upper bowl seamlessly repaired for summer.

They even discovered painting yoghurt onto the fountain helped further hide the repair by encouraging lichen and moss to grow, adding a distressed touch in keeping with the original stone.

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