

CAE1500 Cyanoacrylate

Superglue

Case Study

Wise Man Christmas Decoration Repair

Sylmasta CAE1500 High Viscosity Superglue rescues Christmas for a family by repairing a priceless decoration passed down through the generations



The wise man had suffered a clean break into two separate pieces whilst being retrieved ahead of the family putting up their Christmas decorations



CAE1500 was applied to the lower half of the wise man and the two pieces pushed together for around 20 seconds, allowing bonding to take place



The completed repair left no visible glue lines or any evidence of the crack, enabling the wise man to return to duty as part of the nativity

Defect

Disaster struck when one of the Three Wise Men from a nativity ended up snapped in two during the process of retrieving decorations from the loft.

Christmas would not be Christmas without the full nativity set, so the family needed a way to repair the wise man so he could join Mary, Joseph, Baby Jesus, the wee donkey and the rest on display.

Solution

Sylmasta CAE1500 High Viscosity Superglue was chosen for the application because of its slightly longer cure time and versatility.

The thickness of CAE1500 means it bonds to non-absorbent surfaces in between 10 and 45 seconds rather than instantly. This allows a small window for parts to be adjusted for an accurate, correct fitting.

CAE1500 was applied directly to the break on the bottom half of the wise man. The two pieces were pushed together and held in place for around 20 seconds whilst CAE1500 worked its magic.

Excess superglue which had been squeezed out the joint during bonding was then wiped away before it had the opportunity to cure.

Result

No visible glue lines or evidence of the crack were left following the repair. Anyone looking at the wise man would never know he had once been broken in two, making the application a complete success.

The wise man was returned to the nativity scene, ready to play his part in celebrating Christmas with the family for many years to come.