

100% Safe SHE Alert

Excalibur Bolt Failure (Update)

A recent incident occurred on one of our projects where an edge protection post fell from height after an Excalibur bolt (Used to hold the post foot in place) sheared.

The initial independent investigation found that Hydrogen Embrittlement had led to this failure. There is now evidence that an incorrectly specified sized bolt had been used and not installed in accordance with the manufacturers instructions, this may have induced the Hydrogen Embrittlement failure. Whilst investigations are concluded to identify the exact cause of failure with immediate effect please ensure the following is adhered to on all projects;

- Screw type fixings are for single use only.
- Changes to the type and size of fixing are approved through our temporary works process before installation.
- Screw type fixings must not be struck on the head during installation.
- Screw type fixings are installed to the specified torque and not over tightened.

In all situations these bolts must only be used in-line with the manufacturers instructions and temporary works design.



Reference	Issue Date	Display Until Date
SHE-ALT-2020/001	June 2021	Aug 2021