

Failure of Waterstop Barrier Connectors

A 2.4m high x 5.0m wide formwork shutter recently failed three quarters of the way through a pour. Fortunately, nobody was injured and a recovery action put in place immediately.

The investigation revealed there was no problem with either workmanship or the pour rate but found that the 2 no cast centre waterstop connectors had failed as demonstrated by the pictures.

All available connectors were taken out of use and the suppliers, Midland Construction Supplies, were informed to allow them to inform their existing customers and contact their suppliers. These components are currently being tested to determine their compliance with specification.



Undamaged Connector



Failed Connector



Detail of Failed Connector



Detail of Failed Connector

Required Actions:

- You must check whether you have any connectors of this type in use on your project.
- If you have, remove them from use immediately and contact Phil McDonald of Midland Construction Supplies at phil@mcs-ltd.org who will arrange for their collection and supply an alternative product.