

NTN 003

Concrete Spillages onto Nullifire Intumescent Coatings

Nullifire
Smart Protection

Recommendations

It has occurred in practice that when casting concrete slabs onto beams pre-coated with Nullifire, then in some instances the concrete has run down onto the Nullifire and concerns have been raised about the effect (if any) on the fire performance.

There appears to be 3 main scenarios, these being:

- Runs of mainly water with slight cement/sand components leaving an unsightly appearance.
- Runs of the concrete but only in thin layers of 1-2 mm.
- Significantly thicker runs of concrete.

Remedial Action

- Runs of mainly water with slight cement/sand components leaving an unsightly appearance.

While there is the potential for a slight reaction between the Nullifire and the concrete run off while it is still wet, it is not thought that this will be significant and the runs can either be left if aesthetics are not a consideration or water washed and then coated with the appropriate approved topcoat.

- Runs of the concrete but only in thin layers of 1-2 mm.

Similar to the above, if aesthetics are not a consideration, then leaving the runs is thought unlikely to restrict any subsequent intumescence in a fire situation. If appearance is a consideration, then the runs will need to be lightly scraped away.

- Significantly thicker runs of concrete.

There is no option but to remove the concrete as thick layers would impede the intumescent reaction. If damage occurs to the Nullifire, during concrete removal, then the Nullifire products must be reinstated.

Technical Service

Nullifire has a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, service and advice, please call Technical Services on 01942 251 400