

NTN 035

Surface Mould Growth on Nullifire SC900 Series

Nullifire
Smart Protection

Statement

Nullifire SC900 series fast track hybrid intumescent is patented fire resistance coating for the protection of structural steel against collapse in the event of a fire. It is unique in the market due to its patented base technology that leads to the many unique characteristics that set Nullifire SC900 series out from other products on the market. It is approved to several global fire resistance standards that include weather-ability or environmental resistance in conjunction with fire resistance performance, such as ETAG testing with EN13381 and UL263. Both standards submit the coating through various lengthy environmental cyclic test conditions before fire testing to ensure that performance is maintained. Nullifire SC900 series has successfully been evaluated to both.

If Nullifire SC900 series is utilised in areas of high humidity and low air movement, it is possible that mould growth may occur at the surface of the coating. A fungicide may be added to counteract this (details given in SC900 series FAQs sheet). Additionally, top coating will prevent this. However, if the topcoat is applied over an uneven SC900 surface due to high film build of intumescent, the topcoat may not fully seal the intumescent surface and mould growth may occur.

Any mould growth that does occur is a surface phenomenon only, and does not affect that ability of the coating to perform in the event of a fire. Testing to UL263 includes 6 months exposure to 97-100% humidity, which SC900 series passed without issue. Any mould growth occurring can be removed by washing with warm soapy water. Pressure washing can be used but is not recommended, and care must be taken not to damage the intumescent coating. Care should be taken after the cleaning is completed, no ponding or standing water is left on the intumescent surface.

For further information or assistance, please contact your local Nullifire representative.

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 251400.