

NTN 029

Procedure for applying further intumescent to bring low areas of fire protection up to specification, when top seal applied.

Nullifire
Smart Protection

Purpose

The purpose of this document is to clarify the approved position with regard to application of intumescent coatings over top seals when there is insufficient fire protection applied.

Recommendations within this document are based on current available knowledge and best practice. Operating outside these recommendations, constitute a risk that warrants further investigation and must be approved by the Nullifire technical department.

The following guidance is offered to bring intumescent fire protection up to specification to achieve the required level of protection offered.

Statement

Tremco CPG UK Ltd understands that in some instances, there is a requirement to increase the fire protection of the steelwork, or the intumescent has been under-applied and in both cases, the intumescent has been over coated with a top seal.

Recommendations

For steelwork that has been coated in Nullifire SC901/902 and top sealed and requires having more Nullifire SC901/902 and top seal applied:

- A. Water wash to remove all soluble contamination, sand with 80-150g to a uniform matte finish and de-Dust.
- B. When the above preparation has been completed as required, apply Nullifire SC901/SC902 to the required WFT/DFT to bring the steel member up to the required scheduled film build to obtain the specified fire protection.
- C. Conduct a DFT survey on the dried Nullifire SC901/SC902, to ensure correct level of fire protection has been achieved.
- D. If Intumescent thickness is up to specification continue to part E. If Intumescent thickness still require more material, revert to part B.
- E. When Intumescent has achieved correct level of fire protection required re-apply the top seal as per previous specification.

For steelwork that has been coated by Nullifire SC600 / SC800 Series and top seal and requires having more Nullifire SC600 / SC800 Series and top seal applied:

- A. Water wash to remove all soluble contamination, sand with 80-150g to a uniform matte finish and de-Dust.
- B. When the above preparation has been completed as required, apply Nullifire Nullifire SC600 / SC800 Series to the required WFT/DFT to bring the steel member up to the required scheduled film build to obtain the specified fire

protection.

- C. Conduct a DFT survey on the dried Nullifire SC600 / SC800 Series, to insure correct level of fire protection has been achieved.
- D. If Intumescent thickness is up to specification continue to part E. If Intumescent thickness still require more material, revert to part B.
- E. When Intumescent has achieved correct level of fire protection required re-apply the top seal as per previous specification.

In both cases, the recommendations are based on a top seal specified at 150 microns DFT. If top seal thickness's are higher, more surface preparation / sanding will be required.

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.