

### Statement

It is common practice that an anti-corrosion primer to be applied to structural steelwork prior to our intumescent coatings being applied.

Compatibility of the primer should be checked with Nullifire coatings in all cases prior to work commencing.

However, in some cases, commonly with epoxy primers, a visible glossy surface finish can occur. This can be down to the primer being over-applied or the specific primer used.

There are no current test standards to determine acceptable gloss levels when over coating with intumescent however the following should be followed:

When an applicator deems a primer to have a sheen finish we would recommend that a DFT (Dry Film Thickness) check to be carried out. This will ascertain if the correct primer thickness has been achieved in accordance with the manufacturers guidelines.

We would not recommend over coating primers that have been applied over 250 microns DFT and advise that the primer be abraded back.

Primers should always be applied in accordance with the manufacturers data sheets and advice. If the primer has exceeded the above recommended total DFT of 250 microns, we do not have any fire test data available to comment on the cohesive ability of the system.

On the understanding that the correct primer thickness is in specification, but the surface shows a gloss level an adhesion check is then recommended.

With regards to the adhesion check, we would recommend that ASTM D3359 is followed:

The scoring system is as shown below:

#### Scoring System

5A- No peeling removal

4A- Trace of peeling or removal along incision or at the intersection.

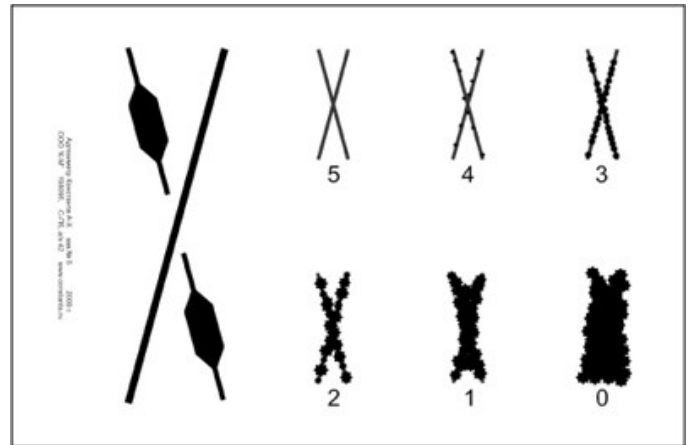
3A- Jagged removal along incisions up to 1.6 mm on either side.

2A- Jagged removal along most inclusions up to 3.2 mm on either side.

1A- Removal from most of the area of the X under the tape.

0A- Removal beyond the area of X.

We should advise that both 5A and 4A as a pass.



Nullifire coatings are tested to BS476 part 21:1987, EN13381: Part 8 and hold third party approval from Certifire Exova.

All coatings should be applied in strict accordance with the latest technical data sheets.

### 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.