

## **INTUMESCENT MAINTENANCE AND REPAIR PROCEDURE**

### **Repair of physical damage**

- i) Remove any loose/flaking material surrounding damaged areas feathering to sound edge.
- ii) Where damage has occurred back to bare mild steel :-
  - Cut out the Steelguard intumescent to one or two centimetres from the damaged area in all directions back to sound edge (large enough to allow manual preparation)
  - Ensure exposed substrate is clean dry and free of any contamination (eg oil, grease, salts)
  - Prepare the exposed steel to achieve ISO 8501-1 St 3. The resulting surface should be suitably profiled to yield a key and free of dust, debris and other surface contamination prior to coating.
  - Patch prime exposed steel using SigmaCover 2 applied at 100 microns dry film thickness.
  - When dry lightly abrade 25-30mm of the surrounding sound coatings to remove the existing sealer coat.
  - Reinstate the specified thickness of intumescent using original Steelguard intumescent coating taking care not to excessively overlap the existing intumescent or topcoat.
  - Allow to dry, abrade if necessary to achieve an acceptable finish and overcoat repaired areas by brush or roller with the original topcoat to the original dry film thickness, overlapping sound finish by 50mm.
- iii) Where damage has occurred to the topcoat (if applied) and surface of the intumescent coating :-
  - Remove all loosely adhered topcoat and lightly abrade.
  - Ensure exposed areas of intumescent are clean and dry
  - Reinstate the specified thickness of intumescent using original Steelguard intumescent coating taking care not to excessively overlap the existing intumescent or topcoat. Specific grades of Steelguard intumescent filler are available to facilitate such repairs.
  - Allow to dry
  - Overcoat repaired areas with original topcoat to the original dry film thickness, overlapping existing sound areas by 50mm.

## **FUTURE INSPECTION AND MAINTENANCE**

Steelwork must be checked on a regular basis for signs of mechanical damage (at low levels especially) which should be touched up as and when



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found in accordance with the repair procedures outlined above.