



Introduction

In general, the use of different passive fire protection systems on individual structural steel, or elements of construction should be avoided. Overlapping or abutting systems can behave in different ways in fire, depending on the products involved.

However, this situation may be specifically encountered when beams and columns are protected using different systems. A common example of this may be where structural steel beams are protected with a Promat Cafero MANDOLITE[®] CP2 (or CAFCO[®] 300) spray protection, and where they abut structural steel columns protected with VERMICULUX[®] (or PROMATECT[®]-250).

The synergy between the materials is well understood by Promat, enabling the following details to be provided for the interface between the two systems.

Attention should be given to the order of installation of the two protection systems, and to the differences in product thickness that may be encountered where they come together.

The Promat spray protection cladding will normally be installed first. A 'stop collar' of the board protection, applied prior to spraying (as shown above) will minimise the disruption when subsequently applying the column board cladding.

However if a collar is not used, the spray should be cut back and made good by hand application after the VERMICULUX[®] is installed. The VERMICULUX[®] boards should be closed into the web with full depth, and the junction between the two systems made good with the spray material.

Where situations not covered here are encountered, please contact Promat Technical Services department.

The method follows the general guidance given in the ASFP technical guidance note: ASFP TGN008 (23rd March 2008) 'Guidance on the junction between different fire protection systems when applied to load bearing structural steel elements'. The guidance note can be found on the ASFP website at: http://asfp.associationhouse.org.uk/default.php?cmd=210&doc_category=16

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