

Requirements:

Services are required to be supported in-line with manufacturers recommendations. Tremco CPG UK Limited will not advise on the support of services not manufactured by themselves.

Service supports used during fire tests are required by BSEN1366 test standards and are located within the allowable tolerances, as is seen to be practical during installation.

EN 1366 has identified cable trays as being the most critical service, and states "a load may be applied (load is defined within the standard) to simulate practical site conditions."

Nullifire always apply this load in full scale fire tests. Our interpretation of this element within the standard, is that we have tested to emulate on site conditions using a specified test construction method qualified by the standard.

Why cable trays are the critical seal:

Steel pipes tend to remain very rigid and have little deflection. plastics would have disintegrated within five minutes of the start of the fire test, therefore support is pointless, however is still required to build the test.

Dampers are tested to their own standard and are rigidly fixed to extract units during fire tests. Damper must be mechanically locked into position as per manufacturer's instructions for the specific fire damper.

Additional Information

Main contractors may of course seek or request M&E services to install service supports within 50mm of the wall face. (This would encompass worst case testing of all manufacturers of PFP products we can find on the Exova Certifire website). Nullifire service support during testing ranges from 200-500mm dependent on accessibility. This is due to the sheer magnitude of products installed in a single test.

Fire stopping installers should not add service support, as they would not be qualified to do so. Hence, would take design liability. Cable trays, steel pipes, plastic pipes etc. all have a thermal expansion rate which may not be interfered with unless with full agreement of the product manufacturer in writing.

Technical Service

Nullifire have a team of experienced Technical Sales Representatives who provide assistance in the selection and specification of products. For more detailed information, on technical advise, please call our technical hub on 01942 251400