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Test Report Summary for Protega AB.

Scope of Report

This Test Report Summary has been prepared by **Warringtonfire** and issued by an agreement with **Protega AB**. This summary has been issued in addition to the test report referenced below and shall be read in conjunction with the report where applicable. Full details of the Specimen(s), constructions, the test procedures and the test results are given in the report referenced below. The test report summary does not provide an endorsement by **Warringtonfire**, of the performance of the actual products supplied. Full copies of the test report may only be obtained from the Test sponsor only.

This summary sheet covers three specimens of floor mounted open state cavity barriers installed in a simulated timber roof construction as previously fire tested by **Warringtonfire** in accordance with ASFP Technical Guidance Document -TGD 19: (Nov 2017) in the configuration(s) described below.

Test Report Reference	Test Date	Report Issued on
WF No. 507448	19th November 2021	24th March 2022

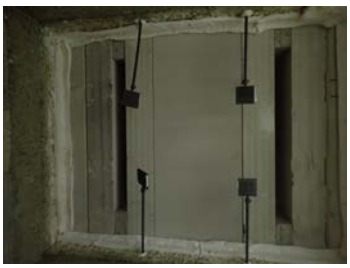
Table 1 – Tested Specimens

Specimen	Orientation	Substrates	Air Gap Width	Seal Details
A	Not subject of this document			
B	Horizontal, floor installed at an angle of 18°	Softwood purlin to softwood tongue and groove boards	25 mm	74 mm wide by 4 mm thick graphite based intumescent strip which referenced 'Protega ventilerade takfotstatning'
C	Horizontal, floor installed at an angle of 18°	Softwood purlin to softwood tongue and groove boards	25 mm	74 mm wide by 4 mm thick graphite based intumescent strip which referenced 'Protega ventilerade takfotstatning'

Table 2 – Fire Resistance Performance in Accordance ASFP Technical Guidance Document -TGD 19: (Nov 2017)

Specimen	Closure Time	Integrity (cotton pad)	Integrity (sustained flaming)	Insulation	Test Duration
A	Not subject of this document				
B	04 minutes 30 seconds	92 minutes	92 minutes	92 minutes	99 minutes
C	04 minutes 30 seconds	83 minutes	83 minutes	77 minutes	99 minutes

Table 3 – Brief Details of Specimens Construction	
Specimen	**Description**
A	Not subject of this document
B	74 mm wide by 4 mm thick graphite based intumescent strip which referenced 'Protega ventilerade takfotstatning' which was stapled along the base of the tongue and grove boards at the head of the opening. The head of the simulated roof eaves were completed with a 20 mm thick softwood tongue and groove board's screw fixed to softwood timber rafters. Above the tongue and groove boards was a single layer of 12.5 mm thick 'Gyproc' plasterboard. The simulated roof construction was installed onto AAC concrete supporting construction on an 18° angle. The intumescent strip was installed below a 25 mm air gap.
C	74 mm wide by 4 mm thick graphite based intumescent strip which referenced 'Protega ventilerade takfotstatning' which was stapled along a softwood purlin fixed at the base of the opening. The head of the simulated roof eaves were completed with a 20 mm thick softwood tongue and groove board's screw fixed to softwood timber rafters. Above the tongue and groove boards was a single layer of 12.5 mm thick 'Gyproc' plasterboard. The simulated roof construction was installed onto AAC concrete supporting construction on an 18° angle. The intumescent strip was installed below a 25 mm air gap.

Table 3 – Test Specimen Photographs	
Unexposed Face Prior To Test	**Exposed Face Prior To Test**
	

Responsible Officer	Approved
J Whalley	G.A.Edmonds
J. Whalley* Technical Officer	**G. Edmonds*** Senior Technical Officer

* For and on behalf of **Warringtonfire.**
Summary Report Issued: 6th April 2022