

De	Julien BORR	A	NICOLAS JUMEAU
From		To	
Date	July 2 nd 2012	Société	TROX
		Company	
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Objet : FIRE TEST CERTIFICATE

Subject

Mr JUMEAU,

We made a study based on the splitters referenced XKA and referenced MKA. This study showed that the design of the splitters type XKA was likely to cause more risk to the fire test compared to the design of the splitters type MKA (presence of a solid sheet of galvanized steel on half of one side, see Appendix Drawings).

Therefore, we realized, on March 26th 2012, a fire resistance test referenced 12-G-203, inspired by the standard NF EN 12101-3 "Smoke and heat control systems - Part 3: Specification for powered smoke and heat exhaust ventilators".

This test included a casing, referenced XSA, of overall dimensions 1800 x 900 x 1500 mm (h x w x l) and composed by four splitters referenced XKA. The splitters were made of mineral wool panels of varying thicknesses (50, 100, 200 and 300 mm) with density = 35 kg/m³, protected by a glass fibre and a perforated steel plate.

The casing was set up on the test furnace wall and was connected to a fan smoke to extract air in the splitters at an average temperature of 400°C, for two hours, and at an air velocity of about 15 m/s. the after test observations have shown no significant deformation.

The description of the tested elements and the drawings are listed in the edited test report.

Best regards,



Julien BORR
Project Leader



Mathieu FENUCCI
Product Leader « Mechanical smoke exhaust system »

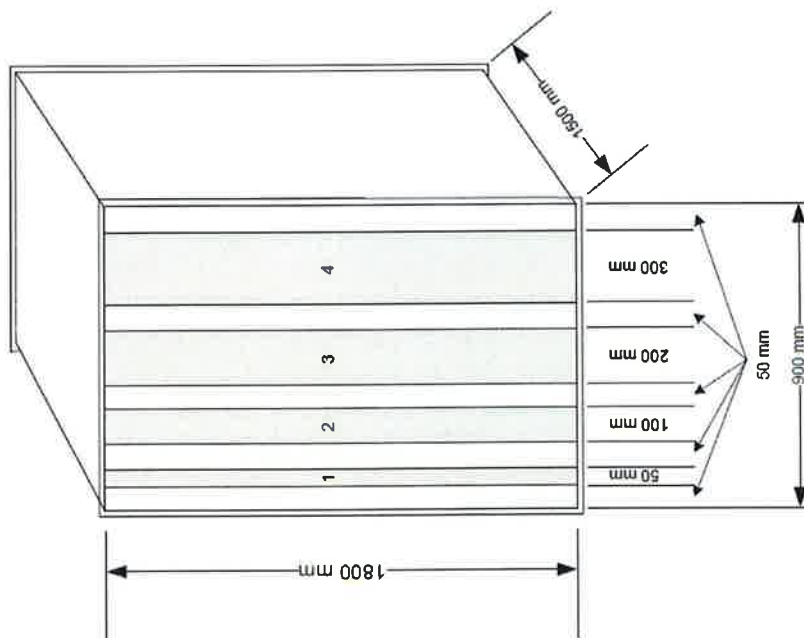


Roman CHIVA
Head of Testing « Section 1 »

This test certificate is only an information. Only a full copy of the test report permits a normal utilization of the results.

APPENDIX DRAWINGS

- Silencieux équipé de baffles acoustiques :
1. XKA 50 – L / 1800 X 1500
 2. XKA 100 – L / 1800 X 1500
 3. XKA 200 – L / 1800 X 1500
 4. XKA 300 – L / 1800 X 1500



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Splitter MKA

