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Sponsor: **CHEMOLLI S.a.s di Eros Chemolli & C**
Via Fitta, 1
38062 Arco (TN)
Italy

CLASSIFICATION REPORT

1.- INTRODUCTION

This classification report defines the classification assigned to two elements with reference "X430" by FBP S.r.l., according to the procedure described in the Standard EN 13501-2:2016.

2.- DETAILS OF THE CLASSIFIED ELEMENTS

2.1.- Type of function

The tested elements are defined as two hinged timber single leaf doors exposed to the test chamber on one side (one door opens outwards the test chamber and the other opens inwards the test chamber). Their function is to restrict the passage of smoke at both ambient and medium temperature of 200 °C as given in section 5 of the Standard EN 13501-2:2016.

2.2.- Description

The test report includes a full description of the tested elements, which is the basis for the classification defined in paragraph 5 of the current report.

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5.- CLASSIFICATION

Pursuant to paragraph 7.5 of the Standard EN 13501-2:2016, the classification of the tested elements are:

Door A:

Hinged timber single leaf door with reference "X430" opening outwards the furnace.	S_{ar} S₂₀₀
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Door B:

Hinged timber single leaf door with reference "X430" opening inwards the furnace.	S_{ar} S₂₀₀
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6.- FIELD OF DIRECT APPLICATION

General (acc/paragraph 13 of EN 1634-3:2004).

The field of direct application of the test results is restricted to the allowable changes (listed in the table below) that may be made to the tested specimen following a successful smoke leakage test. These variations may be introduced without the need of seeking additional evaluation, calculation or approval.

Characteristics	Reference of tested sample*	Modification allowed
	- Timber leaf with timber and metal frame.	- Applicable to an assembly which is made of a similar generic construction.
	- Hinged single leaf door.	- Applicable to an assembly with an identical mode of operation to the one tested.
	- Leakage tested on both directions.	- Use allowed on both sides.
Generalities	- Supporting construction: Wall of perforated ceramic bricks of 95 mm thick, coated with mortar on the exposed side, total thickness of 100 mm and density of 1270 kg/m ³ . - Each door is fixed to the wall by means of a total n° of 11 screws by WÜRTH, dim. Ø 7.5 x 122 mm and 4 L-shaped metallic brackets with screws (see section 3 of test report 17/15412-2211-1 Part 1 for their location).	- The stiffness of the supporting construction and the method of fixing and sealing the frame to the supporting construction shall not be less than that of the tested construction.
	- Rigid supporting construction.	- Only valid for rigid supporting constructions.