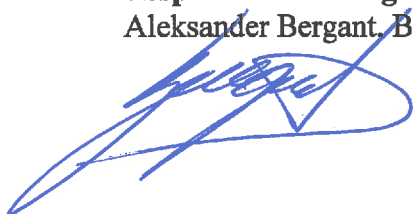
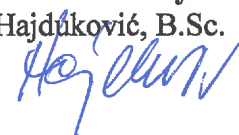
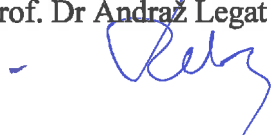


Ljubljana, 10th of January 2014**CLASSIFICATION REPORT****No. P 0578/13-530-2**CLASSIFICATION OF FIRE RESISTANCE PERFORMANCE
IN ACCORDANCE WITH SIST EN 13501-2:2008

Non-loadbearing gypsum board acoustic wall

INDEX acoustic wall

Applicant: INDEX S.p.A, Via G. Rossini 22, Castel d'Azzano (Verona), ITALY
Order No: Proforma invoice 13-012-000024 dated 29th of May 2013

Responsible investigator:
Aleksander Bergant, B.Sc.**Head of laboratory:**
Milan Hajduković, B.Sc.**Director:**
Assoc. Prof. Dr Andraž Legat

Approved laboratory according to SIST EN ISO/IEC 17025 (Chart of accreditation No. LP-005, SA), Notified body No. 1404

Other accreditations: BUREAU VERITAS (Certificate of Recognition No. SMS.LAB.462/2900/C.0)

Member  - European Group of Organisations for Fire Testing, Inspection and Certifications

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Obr. P.S. 12-001-01/2

1. Introduction:

This classification report defines the resistance to fire classification assigned to non-loadbearing **INDEX acoustic wall** made of gypsum boards in accordance with the procedures given in SIST EN 13501-2:2008+A1:2009 (identical to EN 13501-2:2007+A1:2009).

2. Details of classified product:

2.1 General:

The non-loadbearing **INDEX acoustic wall** made of gypsum boards prevents spread of fire from room of origin considering resistance to fire performance characteristics stated in Clause 5 and 7.5.2 of SIST EN 13501-2:2008+A1:2009.

2.2 Product description:

The composition of the non-loadbearing **INDEX acoustic wall** is fully described below and is the following:

- framework made of 50 mm deep steel profiles,
- 12.5 mm thick gypsum boards KNAUF GKB (A),
- 3 mm thick INDEX Topsilent Bitex sound barrier (nominal density 4 kg/m²),
- 50 mm thick rock wool core insulation KNAUF INSULATION DP-5 (nominal density 50 kg/m³),
- water-based glue INDEX Fonocoll,
- self-drilling screws, gypsum filler, glass fibre tape, INDEX Fonocell PE-strip.

Non-loadbearing **INDEX acoustic wall** of dimensions 2963 × 3015 × 186 is fixed to a support structure having equal or higher fire resistance.

The non-loadbearing **INDEX acoustic wall** is fully described in the test report provided in support of classification detailed in clause 3.1.

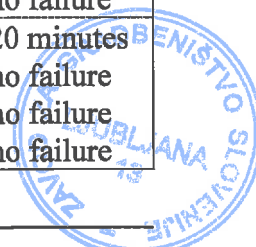
3. Test reports and test results in support of the classification

3.1 Test reports:

Laboratory	Name of sponsor	Report No.	Test method
ZAG Ljubljana	INDEX S.p.A.	P 0578/13-530-1	SIST EN 1364-1:1999 (identical to EN 1364-1:1999)

3.2 Test results:

Test method	Parameter	Results
SIST EN 1364-1:1999	Integrity (E):	120 minutes
	- cracks or openings in excess of given dimensions - ignition of cotton pad - sustained flaming on the unexposed side	no failure no failure no failure
	Insulation (I)	120 minutes
	- mean temperature rise >140°C - max. temperature rise >180°C	no failure no failure no failure



4. Classification and field of application:

4.1 Reference of classification:

This classification has been carried out in accordance with Clause 7.5.2 of SIST EN 13501-2:2008+A1:2009.

4.2 Classification:

The non-loadbearing **INDEX acoustic wall** is classified according to the following combinations of performance parameters and classes as appropriate. No other classification is allowed.

E		20	30		60	90	120				
EI	15	20	30	45	60	90	120				
EW		20	30		60	90	120				

Fire resistance classification: EI 120

4.3 Field of application:

This classification is valid for non-loadbearing **INDEX acoustic wall** made of gypsum boards with the following product variations according to Field of direct application of test results of SIST EN 1364-1:1999; any other changes are not permitted:

4.3.1 The results of the fire test are directly applicable to similar constructions where one or more of the changes listed below are made and the construction continues to comply with the appropriate design code for its stiffness and stability (according to SIST EN 1364-1:1999):

- a) Decrease in height – up to 3015 mm
- b) Increase in the thickness of the wall – more than 186 mm
- c) Increase in the thickness of component materials:
 - framework profiles more than 50 mm deep
 - gypsum boards more than 12.5 mm thick
 - rock wool core insulation more than 50 mm thick
- d) Decrease in linear dimensions of boards or panels but not thickness
- e) Decrease in stud spacing – less than 600 mm
- f) Decrease in distance of fixing centres

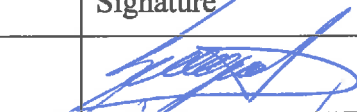

4.3.2 The width of construction (according to SIST EN 1364-1:1999):
- the width of an identical construction may be increased – more than 2963 mm.

4.3.3 The height of construction (according to SIST EN 1364-1:1999):
- the height of construction may be increased up to 4000 mm.

4.3.4 Standard supporting construction (according to SIST EN 1364-1:1999):
- results are applicable to high density rigid supporting constructions with at least the same fire resistance.

5. Limitations:

This classification document does not represent type approval or certification of the product.

	Name	Signature	Date
person undertaking classification:	Aleksander Bergant, B.Sc		10.01.2014
person authorising this report:	Milan Hajduković, B.Sc.		10.01.2014

