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CLASSIFICATION REPORT

Fire resistance classification of the structural member "BVA" – First edition

Report No: 12020212-4
Date: 07.08.2012
IBS-SJ/hoee

Holder of Classification Report:	**HAGO Bautechnik GmbH** Traklstrasse19, A-4600 Wels
Accreditation Institute:	IBS – Institute for Technical Fire Protection and Safety Research GmbH Petzoldstrasse 45, A-4017 Linz
Notification No:	1322 (only informative since no harmonising product standard is available for access covers)
Classification Object:	**Access cover:** **"Hagodeck BVA " aluminium**
Brief assessment:	In compliance with EN 13501-2, the structural members listed in Test Report no. 12020212-1 shall be classified "REI 60" (a↔b) with regard to their fire resistance.
Classification is valid until:	7th August 2017

This Classification Report contains **5** pages.

1. Introduction

This Classification Report defines the fire resistance class assigned to the structural member "Access Cover Hagodeck BVA" in compliance with the procedures given in EN 13501-2.

2. Details of classified structural member

2.1. Function

The structural member is defined as an access cover with horizontal opening. Its function is to resist fire in accordance with the typical product reactions as described in EN 13501-2, Clause 5.

2.2. Description

The structural member "Access Cover Hagodeck BVA" is described in detail in Test Report no. 12020212-2.

Brief description:
The access cover is consisted of a frame and a cover which are screwed to each other. The frame is fitted into a concrete ceiling and filled with concrete.

3. Test reports and results supporting this classification

The following test reports are presented in order to support this classification:

Name/address of testing laboratory
IBS - Institute for Technical Fire Protection and Safety Research GmbH
Petzoldstrasse 45, A-4017 Linz

Notification number/status of testing laboratory
Notification No: 1322/Accredited Testing and Inspection Body

Test Report no. 05080308-2
Load-bearing access cover, type: BVA-110; Test Report no. 12020212-2, Test date: 21st May 2012
Sponsor: HAGO Bautechnik GmbH, Traklstrasse 19, A-4600 Wels

3.1. Terms of loading

Temperature time curve	in acc. with EN 1363-1
Load direction	bottom-up
Number of test specimens	1 (one)
Test load	5 kN (point wise)
Loading conditions	in a concrete ceiling

3.2. Test results

Loadbearing ability	
Time of breakdown min.)	could not be established
Deformation criteria exceeded after (min.)	could not be established

Fire integrity	
Time of cotton wool pad ignition (min.)	could not be established
Time of gap gauge failure (min.)	could not be established
Time of sustained flaming (min.)	could not be established

Thermal insulation	
Time when the mean temperature rise exceeds 140 K on the unexposed side (min.).	No exceeding
Time when the maximum temperature rise exceeds 180 K on the unexposed side (min.).	No exceeding

4. Classification and direct field of application

4.1. Normative reference

This Classification is covered by the normative reference EN 13501-2, Clause 7.3.3.

4.2. Classification

The structural member shall be classified on the basis of the performance criteria and classes specified below. No other classification is admissible.

RE		RE 20 (a↔b)	RE 30 (a↔b)		RE 60 (a↔b)
REI	REI 15 (a↔b)	REI 20 (a↔b)	REI 30 (a↔b)	REI 45 (a↔b)	REI 60 (a↔b)

The designation (a↔b) defines the fire resistance on both sides.

4.3 Direct field of application

The structural member is subject to the direct field of application in accordance with EN 13501-2 (field of application in accordance with Test Report no. 05080308-2 and other applications):

- The fixing of additional combustible material in the gaps shall not be admissible.
- Changes in the aspect ratio of access covers provided the biggest cover and its' surface is not increased.
- Reduction in distance between mounting points
- No increase in size shall be allowed. The maximum admissible clearance is 1000 x 1000 mm.
- An unlimited decrease in size is admissible.

5. Period of validity:

This Classification shall be valid until the 7th August 2017. Under the provision that the product and product application range are not subjected to changes, the validity can be prolonged by another two years after prior written application.

This Classification shall lose it validity before the end of the period in case of substantial changes in testing and assessment criteria. Furthermore, the validity shall also expire if the sponsor undertakes improper technical modifications to the structural member that are not covered by the direct field of application.

6. Legal notice

This document shall not constitute any type approval or product certification.

IBS-INSTITUTE FOR TECHNICAL FIRE PROTECTION AND SAFETY RESEARCH G.M.B.H
Accredited Testing and Inspection Body

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