



SWEDISH TYPE APPROVAL 0981

WITH DECISION ON PRODUCTION CONTROL

KEYWORD: Fire Protection

BBR 5

Holder: J. van Walraven Holding B.V.

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Product name: BIS Pacifyre[®] MK II Fire Sleeve

Fire Protection Sleeve, mainly built from a support of steel sheet, provided with a layer of heat expanding material and 3 layers of polyurethane strips. The design and dimensions of the sleeve and the construction of the fire sealing system directed towards the fire classification of the building component is shown by the associated documents.

Intended use

Fire Sealing of penetrations with metal- or plastic pipes. Penetrations of Fire Cell Boundaries in buildings, floor structures and walls of concrete, bricks and light walls.

Approval

Products made and installed according to related documents are approved with respect to the following sections of the Swedish Building Regulations (BBR):

Class designations*	5:231
Protection against development and spreading of fire- and firegasses inside buildings	5:5

*E 15-E 120 resp. EI 120 according to EN 13501-2:2007+A1:2009

For the intended use the products meets the following requirements of PBL, regulations governing the technical properties of materials, products etc. used in construction works Chapter 8 Section 4 about the technical characteristics of buildings and constructions.

2. Safety in case of Fire

Appendix 1: Associated documents	2015-10-30
Appendix 2: Product marking	2015-10-30
Appendix 3: Control	2015-10-30
Appendix 4: Basis for approval	2015-10-30

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1913
ISO 17065

Date of decision: 2015-10-30

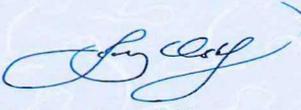
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Kiwa Sverige AB


Magnus Jerlmark
Technical manager


Johnny Ostenfeldt
Project leader

Certifikat

Appendix 1
Type Approval No. 0981
Product: BIS Pacifyre[®] MKII Fire Sleeve
Holder: J. van Walraven Holding B.V.

ASSOCIATED DOCUMENTS 2015-10-30

1. Product Data sheet: Updated 2015, drawing and table of dimensions.(www.walraven.com)
2. Fire resistance classification report, WFG.NO.16229C, dated 2015-07-30.

A Swedish version of 1 and 2 shall be provided by the Holder if required.

Appendix 2
Type Approval No. 0981
Product: BIS Pacifyre[®] MKII Fire Sleeve
Holder: J. van Walraven Holding B.V.

PRODUCT MARKING 30-10-2015

The product shall be permanently labelled with the following information:

- a. Holder: J.van Walraven Holding B.V.
- b. Product name: BIS Pacifyre[®] MKII FireSleeve
- c. Traceable mark to production date: Manufacturer: Walraven Ehrenhaim GmbH
- d. Information on class: E 15 – E 120, EI 15 – EI 120
- e. Kiwa Sverige  Type Approval no: 0981 and the reg. mark of Boverket: 
- f. Accreditation number: 1913
- g. Designated Inspection Body: Intertek

Note: Already performed penetrations of walls and floor structures, according to the above mentioned associated documents, must be provided with an identification plate by the contractor.

Manufacturer's declaration according to § 17 of the Type 7 in the accompanying documents:

Manufacturer's declaration:

The manufacture of this product has been made in accordance with the Construction Products Certificate decision on production control and the documents submitted to the decision of issue of this certificate.



Appendix 3
Type Approval No. 0981
Product: BIS Pacifyre® MKII Fire Sleeve
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CONTROL 30-10-2015**Instructions for control**

Production Control must be carried out in accordance with instructions for control dated 29-09-2015

Annual reporting:

The validity of the Type Approval requires that the production control is carried out and that the manufacturer annually fulfils the requirements for supervisory control. Annual supervisory control shall be conducted by the Inspection Body: Intertek

The approval holder shall send to Kiwa Sverige a copy of the annual report from performed annual inspections conducted by the Inspection Body: Intertek

Building Control:

Building Control must be carried out through identifying the products, and control of the correct installation of the product by an expert, according to the manual.

Appendix 4
Type Approval No. 0981
Product: BIS Pacifyre® MKII Fire Sleeve
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BASIS FOR APPROVAL 30-10-2015

The Type approval is based on:

1. Test Reports: EN 1366-3: WFG No. 16182A, dated 2013-09-05
2. Fire resistance classification report, WFG No. 16229C, dated 2015-07-30
3. Inspection agreement 100631808SAT-007 J. van Raven – Intertek, dated May-12/July-15
4. Periodic annual inspection report by Intertek dated 10th July 2014.
5. Assessment Report dated 2015-10-30 may include the above mentioned paragraphs 1-4.

A handwritten signature in blue ink, appearing to read 'Johnny Ostenfeldt'.

Johnny Ostenfeldt
Kiwa Sverige AB