

**This certificate of compliance validates the following**

<b>TEST REPORT NUMBER:</b>	2018-Efectis-R000814	<b>CERTIFICATE NUMBER:</b>	MPA BS-Z-098/20
<b>DATE OF ISSUE:</b>	May 2018	<b>DATE OF ISSUE:</b>	10/11/2020
<b>DATE OF EXPIRY:</b>	N/A	<b>DATE OF EXPIRY:</b>	15/04/2025

**NAME OF FACTORY/ MANUFACTURER:** James Hardie Europe (Fermacell GmbH)  
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**NAME OF THE BRAND:** Cement Boards  
**MODEL/NO:** Aestuver Tx  
**LOGO ON THE PRODUCT:**

**CERTIFICATION MARK:**



**DESCRIPTION OF THE PRODUCT:** Aestuver Tx is a cement-bonded, glass-fiber reinforced lightweight concrete board to protect concrete structures in underground transport systems against higher thermal stress.

**TEST STANDARD:** 2008-Efectis-R0695  
**TEST DESCRIPTION:** The test specimen was placed on top of a small furnace with the protection system facing down. The interior dimensions of the furnace are 1200 x 1200 mm. The fire protection system consisted of Aestuver Tx boards with a nominal thickness of 25 mm. The exposed surface of the test specimen consisted of two main boards (1150 mm x 375 mm and 1150 mm x 775 mm)..The furnace was heated according to the RWS fire curve.


**SPECIFICATION OF TEST SPECIMEN:** The average measured thickness of the boards was 25.1 mm, their wet density (before drying): 979 kg/m<sup>3</sup> and the moisture content 8.14 %.

TEST RESULT:	MAINTENANCE OF FUNCTION CLASSIFICATION	INTERPRETATION	RESULT
		The fire protection system remained intact for	195 min

**NAME OF TEST FACILITY:** Efectis Nederland  
**TEST FACILITY ADDRESS/REGION:** P.O. Box 554, 2665 ZN Bleiswijk Brandpuntlaan Zuid 16, 2665 NZ Bleiswijk The Netherlands  
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**PRODUCT APPLICATION GUIDELINE (END USE):** To be used in buildings with requirements for resistance to fire. The product must be used according to the provisions in the manufacturer's manual. Prior to assembly and installation the personnel must be instructed.

**SIGNED BY:**   
Dr.-Ing. W. Hinrichs  
Head of certification

The above certificate is valid only when installed in accordance with the 'Product Application Guideline (End Use)'. To verify the validity of the product please log into our website, click on 'certification' and then on 'list of certificates'. You will find a list of manufacturers and a certificate with the number as given above.

CERTIFICATE NUMBER MPA BS-Z-098/20

ACCREDITED BY: DAKKS  
AS PER: ISO/IEC 17065  
VALIDITY: N/A  
REFERENCE NUMBER: D-ZE-11267-01-00

RvA  
ISO/IEC 17025  
November 30, 2020  
L 470

THE LIST OF ACCREDITED TESTS (FIRE AND LIFE SAFETY PRODUCTS ONLY)

TEST STANDARD	TITLE
2008-Efectis-R0695	Part 3: Thermal Insulation Test

