

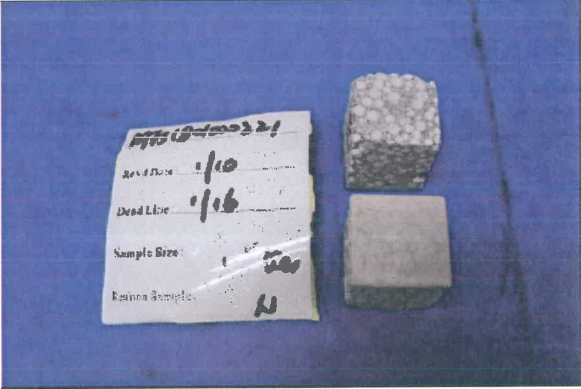
Prüfbericht-Nr.: Test Report No.:	15107606 001	Auftrags-Nr.: Order No.:	154302171	Seite 1 von 4 Page 1 of 4
Kunden-Referenz-Nr.: Client Reference No.:	N/A	Auftragsdatum: Order date:	04.01.2018	
Auftraggeber: Client:	Xiamen Zhongjingtai Building Materials Co., Ltd Unit 2A-D, No. 6-8, Huli Avenue, Huli Dist., Xiamen, Fujian, China			
Prüfgegenstand: Test item:	EPS cement sandwich panel			
Bezeichnung / Typ-Nr.: Identification / Type No.:	Thickness: 100 mm			
Auftrags-Inhalt: Order content:	Test report for AK certificate			
Prüfgrundlage: Test specification:	BS 476-4:1970 Incorporating amendments issued March 1978(AMD 2483) and September 1983 (AMD 4390) Fire tests on building materials and structures - Part 4: Non - combustibility test for materials.			
Wareneingangsdatum: Date of receipt:	10.01.2018			
Prüfmuster-Nr.: Test sample No.:	20180110-001			
Prüfzeitraum: Testing period:	10.01.2018 - 19.01.2018			
Ort der Prüfung: Place of testing:	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüflaboratorium: Testing laboratory:	TÜV Rheinland (Shanghai) Co., Ltd.			
Prüfergebnis*: Test result*:	Siehe Sonstiges / See Other			
geprüft von / tested by:		kontrolliert von / reviewed by:		
25.01.2018	Daniel Chen / PM	25.01.2018	Junjie Lu / Reviewer	
Datum Date	Name / Stellung Name / Position	Unterschrift Signature	Datum Date	Name / Stellung Name / Position
				
Sonstiges / Other:				
Based on test results, the tested samples is deemed Non-combustible materials defined in BS 476-4:1970 Incorporating amendments issued March 1978 (AMD 2483) and September 1983 (AMD 4390). Test results are listed in the follow pages. Test samples are prepared by client.				
Zustand des Prüfgegenstandes bei Anlieferung: Condition of the test item at delivery.		Prüfmuster vollständig und unbeschädigt Test item complete and undamaged		
* Legende:	1 = sehr gut P(ass) = entspricht o.g. Prüfgrundlage(n)	2 = gut F(all) = entspricht nicht o.g. Prüfgrundlage(n)	3 = befriedigend N/A = nicht anwendbar	4 = ausreichend N/T = nicht getestet
Legend:	1 = very good P(ass) = passed a.m. test specification(s)	2 = good F(all) = failed a.m. test specification(s)	3 = satisfactory N/A = not applicable	4 = sufficient N/T = not tested
Dieser Prüfbericht bezieht sich nur auf das o.g. Prüfmuster und darf ohne Genehmigung der Prüfstelle nicht auszugsweise vervielfältigt werden. Dieser Bericht berechtigt nicht zur Verwendung eines Prüfzeichens. This test report only relates to the a. m. test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark.				



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Produktbeschreibung
Product description

1	Produktdetails <i>Product details</i>	EPS cement sandwich panel Thickness: 100 mm
2	Maße / Gewicht <i>Dimensions / Weight</i>	Test specimen: 45 mm x 45 mm x 50 mm
3	Bedienelemente <i>Operating elements</i>	N/A
4	Ausstattung / Zubehör <i>Equipment / Accessories</i>	N/A
5	Verwendete Materialien <i>Used materials</i>	Cover layer: Cement panel Inner layer: EPS cement sandwich panel
6	Sonstiges <i>Other</i>	N/A
Front view		Side view
		
Blanket		Blanket

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Absatz	BS 476-4:1970	Messergebnisse - Bemerkungen	Bewertung
Clause	Anforderungen - Prüfungen / Requirements - Tests	Measuring results - Remarks	Evaluation

1. Non - combustibility test for materials

Test Conducted	BS 476-4:1970 Incorporating amendments issued March 1978(AMD 2483) and September 1983 (AMD 4390) Fire tests on building materials and structures - Part 4: Non - combustibility test for materials.
Conditioning	Prior to testing, the specimens were dried in a ventilated oven at 60±5°C for not less than 24h then cooled to ambient temperature in a desiccator containing anhydrous calcium chloride.

Test Results

Items		1 st	2 nd	3 rd
Initial temperature of the furnace (°C)		752	751	751
The temperature reading from the furnace thermocouple during test.	The maximum temperature (°C)	760	759	761
	The Maximum temperature rise (°C)	8	8	10
The temperature reading from the specimen center thermocouple during test.	The maximum temperature (°C)	707	712	708
	The Maximum temperature rise (°C)	-45	-39	-43
Duration of sustained flaming inside the furnace (seconds)		0	0	0

Requirements

The material shall be deemed non-combustible if, during the test, none of the three specimens either:
1) Causes the temperature reading from either of the two thermocouples to rise by 50 degC or more above the initial furnace temperature, or
2) Is observed to flame continuously for 10s or more inside the furnace.
Otherwise, the material shall be deemed combustible.

Conclusion

Based on test results, the tested samples is **deemed Non-combustible materials** defined in BS 476-4:1970 Incorporating amendments issued March 1978 (AMD 2483) and September 1983 (AMD 4390).

----- **End of Report** -----

