SUBJECT

Non-combustibility test on "GEG ECO Light Weight Panel System" material submitted by GE Tech Industry Sdn Bhd on 8 May 2019

CLIENT

GE TECH INDUSTRY SDN BHD
WISMA HCK, NO. 6 JALAN 19/B SEKSYEN 19
46300 PETALING JAYA SELANGOR.

SAMPLE RECEIVING DATE / TEST DATE

8 May 2019 / 10 May 2019

DESCRIPTION OF SAMPLE / CONDITION OF SAMPLE RECEIVED

Product Description	:	Six blocks of specimen "GEG ECO Light Weight Panel System"material, each of nominal test size of 40mm x 40mm x 50mm thickness and nominal density of 1000kg/m^3
Sample Condition	:	The samples were received in good condition; no scratch or damage was observed.

METHOD OF TEST

The samples were tested in accordance with BS 476: Part 4: 1970 "Fire Tests on Building Materials and Structures – Non-combustibility test for materials"

TEST FACILITY

TÜV SÜD Malaysia Sdn Bhd
No 18, Jalan Astaka U8/82, Bukit Jelutong,
40150 Shah Alam, Selangor, Malaysia.

TESTED/PREPARED BY

Tan Quan He
Lab Associate Engineer (RI)

SIGNATORY

Ir. Terry Lee WS
Manager (RI)

TEST PROCEDURE:

Specimens were conditioned in a ventilated oven at 60±5°C for 24 h and cooled to ambient temperature in a desiccator containing anhydrous calcium chloride prior to testing.
Specimens were exposed to the specified heating conditions (750±10°C) in a furnace conforming to Clause 6 and illustrated in Figure 1, 2 and 3 of the Standard. The furnace was heated, and its temperature stabilized at 750±10°C for more than 10 minutes. One specimen was then inserted in the furnace, the whole operation was performed in less than 5 seconds. The temperature of the specimen's centre, and the furnace were measured by two separate Chromel/Alumel thermocouples continuously for 20 minutes on the chart of a recorder. The flaming time of the specimen was determined by a stop watch. The procedure was repeated twice for two other specimens, one at each time.

RESULTS:

Description	Specimen 1	Specimen 2	Specimen 3	Requirements
Temperature rise of furnace above initial furnace temperature(°C)	14.6	21.7	0	<50°C
Temperature rise of sample above initial furnace temperature(°C)	0	0	0	<50°C
Time of continuous flaming (sec.)	0	0	0	<10 sec
Classification	Non-Combustible	Non-Combustible	Non-Combustible	-

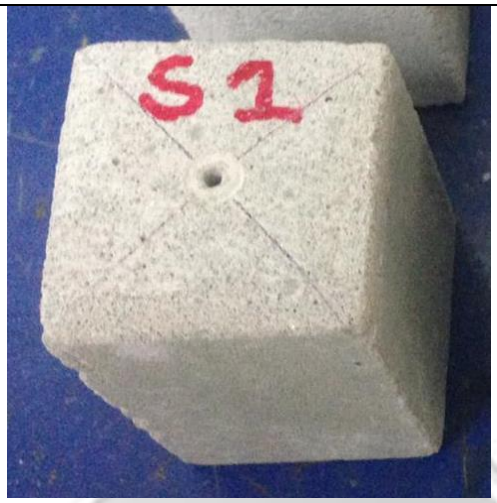
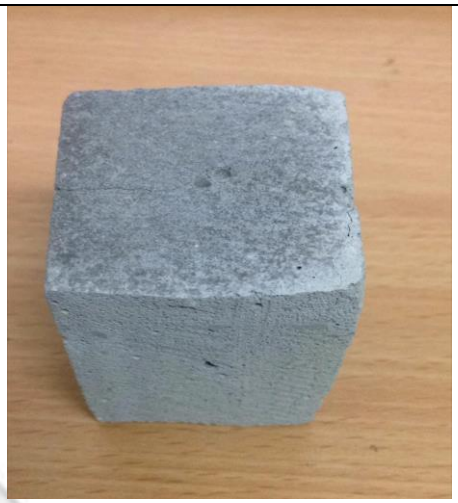
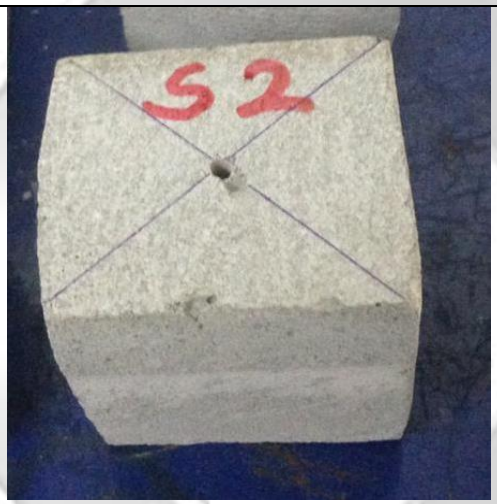
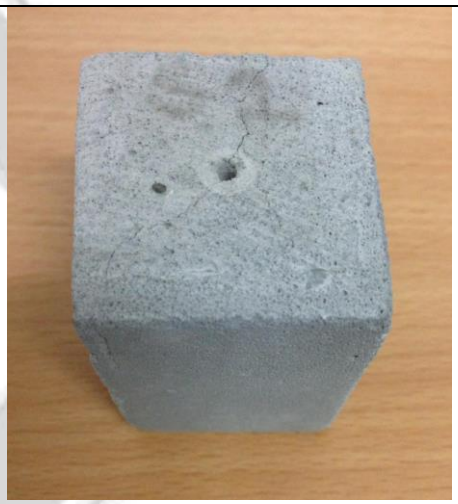
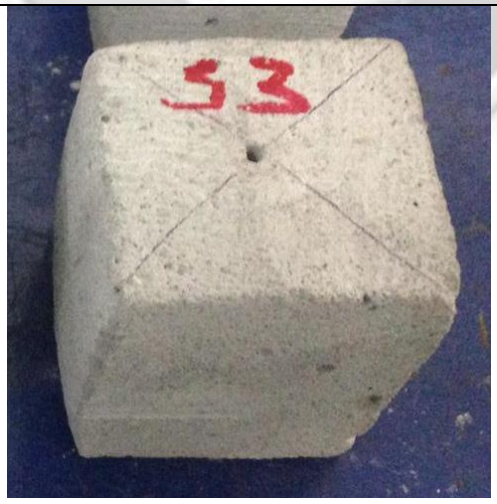
CONCLUSION

A non-combustibility test for materials in accordance with British Standard 476 Part 4 : 1970 has been performed on the material as described in this report and the classification of the sample is Non-combustible

PICTURE OF RECEIVED SAMPLE

Received Sample

PICTURE OF TEST SAMPLE

Test Sample No.	Before Test	After Test
1		
2		
3		

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February 2017