

Test Report No. 7191154985-MEC17/ADD-YWA
dated 19 Apr 2017
(221410935)



PSB Singapore

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SUBJECT:

Flammability test on Brand: "Aseal", Model: "AS-1730" Fire Rated Duct Sealant material submitted by Vital Technical Sdn Bhd on 19 Jan 2017.

TESTED FOR:

Aseal Marketing Sdn Bhd
Lot 2291, Jalan Kampung Baru
Kg. Baru Sungai Buloh
47000 Selangor DE.
Malaysia

DATE OF TEST:

27 Jan 2017

PURPOSE OF TEST:

UL-94 : 1997 - "Test for flammability of plastic materials for parts in devices and appliances". - Horizontal Burning Test; HB.

The test was conducted at TÜV SÜD PSB's fire test laboratory located at No. 10 Tuas Avenue 10, Singapore 639134.



LA-2007-0380-A
LA-2007-0381-F
LA-2007-0382-B
LA-2007-0383-G

LA-2007-0384-G
LA-2007-0385-E
LA-2007-0386-C
LA-2010-0464-D

The results reported herein have been performed in accordance with the terms of accreditation under the Singapore Accreditation Council. Inspections/Calibrations/Tests marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our inspection body/laboratory.

Laboratory:
TUV SÜD PSB Pte. Ltd.
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Co. Reg : 199002667R

Regional Head Office:
TUV SÜD Asia Pacific Pte. Ltd.
1 Science Park Drive, #02-01
Singapore 118221
TUV®



DESCRIPTION OF SPECIMEN:

Six pieces of specimen, said to be Brand: "Alseal", Model: "AS-1730" Fire Rated Duct Sealant material comprising of Water Based Sealant, each of nominal test size of 125mm x 13mm were submitted. The Fire Retardant used was said to be Aluminium Hydroxide. The nominal thickness and bulk density of the specimen were found to be approximately 4.7mm and 1695kg/m³ respectively.

RESULTS:

Description	Unit	Result		
Flammability test	-	Horizontal burning test		
1. No of specimens.	-	3		
2. Specimen thickness	mm	4.7		
3. Flame front passed 25mm mark	sec	0	0	0
4. Flame front passed 100mm mark or flame extinguished time	sec	0	0	0
5. Burnt length	mm	5	5	5
6. Elapsed flaming time between 25mm and 100mm mark	sec	0	0	0
7. Burning rate	mm/min	0	0	0
8. Observation		Flamed for 2 seconds and self extinguished after removal of the test flame observed.		
Classification requirements	A material classed HB shall: <ul style="list-style-type: none"> a) Not have a burning rate exceeding 40mm per minute over a 75mm span for specimens having a thickness of 3.0 – 13mm, or b) Not have a burning rate exceeding 75mm per minute over a 75mm span for specimens having a thickness less than 3.0mm, or c) Cease to burn before the 100mm reference mark. 			

CONCLUSION:

The results of the specimen tested meet the requirements for classification as UL 94 HB.


 Ong Kian Huat
 Senior Associate Engineer


 Chan Lung Toa
 Product Manager
 Fire Property
 Mechanical

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July 2011

