

**Test Report No. 7191119557-MEC15-YWA**  
dated 10 Sep 2015  
(221407647)

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**SUBJECT:**

Flammability test on "HYCHEM" Laboratory Worksurface material submitted by ERP HYCHEM SDN BHD on 11 Aug 2015.

**TESTED FOR:**

ERP HYCHEM SDN BHD  
No. 8018, Kg. Bukit Cherakah  
Shah Alam 40150  
Selangor  
Malaysia

**DATE OF TEST:**

07 Sep 2015

**PURPOSE OF TEST:**

Based on ASTM D 635-10 - Standard Test Method for "Rate of Burning and/or Extent and Time of Burning of Plastics in a Horizontal Position."

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 laboratory's terms of accreditation under the Singapore Accreditation Council - Singapore Laboratory Accreditation Scheme. Tests/Calibrations marked "Not SAC-SINGLAS Accredited" in this Report are not included in the SAC-SINGLAS Accreditation Schedule for our laboratory.

**Laboratory:**  
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TÜV®

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## DESCRIPTION OF SAMPLES:

20 pieces of specimen, said to be "HYCHEM" Laboratory Worksurface material comprising of Epoxy Resin Worksurface, each of nominal test size of 125mm x 13mm were submitted. The nominal thickness and bulk density of the sample were found to be approximately 10.6mm and 1937kg/m<sup>3</sup> respectively.

## RESULTS:

Description	Unit	Result
Flammability test	-	Horizontal burning test
1. No of specimens.	-	10
2. Specimen thickness	mm	10.6
3. Flame front passed 25mm mark	sec	0
4. Flame front passed 100mm mark	sec	0
5. Burnt length	mm	N.A
6. Average elapsed flaming time between 25mm and 100mm mark	sec	N.A
7. Average burning rate	mm/min	N.A
8. Observation		No flaming was observed.
Classification requirements	A material classed HB shall: a) There is no visible signs of combustion after the ignition source is removed, or b) The flame front does not pass the 25mm reference mark, or c) The flame front passes the 25mm reference mark but does not reach the 100mm reference mark, or d) The flame front reaches the 100mm reference mark and the linear burning rate does not exceed 40 mm/min for specimens having a thickness between 3 and 13mm or 75mm mm/min for specimens having a thickness less than 3mm.	

## CONCLUSION:

The results of the sample tested meet the requirements of ASTM D 635-10 for classification as HB.

  
Ong Kian Huat  
Senior Associate Engineer

  
Chan Lung Toa  
Product Manager  
(Fire Property)  
Mechanical Centre

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July 2011

