

## The Nexus should concurrently create awareness amongst its members on the existing product testing facilities in Malaysia (1/5)

No	Test laboratory for Iron and Steel	SAMM No	Contact
1	Prima Metal Industries Sdn. Bhd. 10 Km Jalan Lahat Papan Peti Surat 77 30710 Ipoh Perak, Malaysia	016	Contact: Mr. Ahmad Jaal Tel: 605-322 2899 Fax: 605-321 5844 Email: info@mmcmetal.com.my
2	Unit Test Scientific Sdn. Bhd. No 27a, 1st Floor & No 27/2 2nd Floor The Highway Centre 46050 Petaling Jaya Selangor, Malaysia	044	Contact: Mr. Ip Kok Choy/Mr. Ong Teck Wan Tel : 603-7781 7585/603-7784 1843 Fax: 603-7781 7586
3	Sme Aerospace Sdn. Bhd. Lot 14643, Locked Bag No. 222 47000 Sungai Buloh Selangor, Malaysia	056	Contact: Ms. Mastura Othman Tel: 603-6156 1778 Fax: 603-6156 6941/6156 4832 Email: hoq@smea.com.my Website: <a href="http://www.smea.com.my">http://www.smea.com.my</a>
4	Civil And Construction Section (Ccst-testing Group) Sirim Qas International Sdn. Bhd. Building 22 No. 1 Persiaran Dato' Menteri P. O. Box 7035, Section 2 40911 Shah Alam Selangor, Malaysia	085	Contact: Ms. Raja Nor Siha binti Raja Abdul Hanan Tel: 603-5544 5851 Fax: 603-5544 5855 Email: siha@sirim.my Website: <a href="http://www.sirim.my">http://www.sirim.my</a>

## The Nexus should concurrently create awareness amongst its members on the existing product testing facilities in Malaysia (2/5)

No	Test laboratory for Iron and Steel	SAMM No	Contact
5	Testech Sdn. Bhd. 8, Jalan 30b/146 Desa Tasik, Sg. Besi 57000 Kuala Lumpur Malaysia	225	Contact: Ms. Tan Poh Im Tel: 603-9059 3587 Fax: 603-9059 3455 Email: inquiry@testech.com.my Website: www.testech.com.my
6	Civil Engineering Testing Unit (Cetu) Faculty Of Civil Engineering Universiti Teknologi Malaysia 81310 Utm, Skudai Johor, Malaysia	235	Contact: Prof. Dr. Abd. Latif Salleh Tel: 607-5532155 Fax: 607-5567488 Email: cetu@fka.utm.my Website: www.utm.edu.my
7	Mentrade Testing Services Sdn. Bhd. Plo 1 10, Jalan Cyber 5 Kawasan Perindustrian Senai Fasa 3 81400 Senai, Johor Malaysia	274	Contact: Mr. Khoo Ee Heng Tel : 607-598 8898 Fax: 607-598 3898
8	Southern Pc Steel Sdn. Bhd. Lot 4808, Jalan Utas 15/7 40000 Shah Alam Selangor, Malaysia	289	
9	Ipoh Lab Sdn. Bhd. No. 135, Bulatan Cherry Off Jalan Tun Abdul Razak 30100 Ipoh Perak, Malaysia	302	Contact: Mr. Masfazil B. Shoib Tel: 605-528 1577 Fax: 605-528 5750 Email: Inquiryipohlab.Com.My

## The Nexus should concurrently create awareness amongst its members on the existing product testing facilities in Malaysia (3/5)

No	Test laboratory for Iron and Steel	SAMM No	Contact
10	Joining And Inspection Services Sirim Berhad No. 1 Persiaran Dato' Menteri Section 2 P.O. Box 7035 40911 Shah Alam Selangor, Malaysia	313	Contact: Dr. Hasnah Abdul Wahab/Mr. Ang Chee Keong Tel: 603-5544 6070 Fax: 603-5544 6057 Email: Chee.Kheong_ang@sirim.My Website: Www.Sirim.My
11	Professional Testing Services Sdn. Bhd. 7, Jalan Mega 1 Taman Perindustrian Nusa Cemerlang 81550 Gelang Patah Johor, Malaysia	317	Contact: Mr. C K Tee Tel: 607-557 4360/016-771 6355 Fax: 607-557 4362
12	Material Testing Laboratory Ikram Qa Services Sdn. Bhd. Blok 7 & 8, Unipark Suria Jalan Ikram-uniten 43000 Kajang, Selangor Malaysia	347	Contact: Tn. Hj. Yahya Hj. Ariffin Tel: 6083-8738 3303 Fax: 6083-8736 7254 Email: yahya@ikram.com.my Website: http://www.ikram.com.my
13	Testech Sdn. Bhd. 48 Jalan Perusahaan Jelutong 1 11600 Pulau Pinang	373	Contact: Ms. Tan Poh Im Tel: 04-288 6551 / 6552 Fax: 04-288 6550 Email: inquiry@testech.com.my Website: www.testech.com.my

## The Nexus should concurrently create awareness amongst its members on the existing product testing facilities in Malaysia (4/5)

No	Test laboratory for Iron and Steel	SAMM No	Contact
14	Ssb Testing Laboratory Southern Steel Berhad 2723 Lorong Perusahaan 12 Prai Industrial Estate 13600 Prai, Pulau Pinang Malaysia	436	Contact: Mr. Chua Lee Heng Tel: 604-390 6540 (ext-829) Fax: 604-385 2874 Email: chua.leeheng@southsteel.com
15	Metallurgical Consultancy And Services Sdn. Bhd. No. 2 Jalan U5/17 Section U5 40150 Shah Alam Selangor, Malaysia	442	Contact: Dr. Lim Chin Liang Tel: 603-7845 0730/40 Fax: 603-7845 0729/39 Email: metacos@po.jaring.my / admin@metacos.com Website: www.metacos.com
16	Alpine Pipe Manufacturing Sdn. Bhd. Lot 6085-6089, Jalan Haji Abdul Manan Batu 5 1/2, Jalan Meru 41050 Klang Selangor, Malaysia	496	Contact: Mr. Ng Yew Seong Tel: 603-3392 7678 Fax: 603-3392 6820/21 Email: ysng@htgrp.com.my
17	Universal Testing Machine (Utm) Laboratory Mechanical Engineering Department Universiti Te Knologi Petronas 17-00-06 Building 17, Bandar Seri Iskandar 31750 Tro Noh, Perak	544	Contact: Mr M. Sani Selamat/Mr Hatta Amran Tel: +605-368 7017 Fax: +603-365 4075 Email: mdsani@petronas.com.my Website: http://www.nusatek.com

## The Nexus should concurrently create awareness amongst its members on the existing product testing facilities in Malaysia (5/5)

No	Test laboratory for Iron and Steel	SAMM No	Contact
18	Nusantara Technologies Sdn. Bhd. (Material Lab) No. 5 Jalan Anggerik Mokara 31/45 Seksyen 31 Kota Kemuning 40460 Shah Alam Selangor, Malaysia	545	Contact: En. Zaidi Ali Tel: +603-5122 9766 Fax: +603-5122 8766 Email: info@nusatek.com Website: <a href="http://www.nusatek.com">http://www.nusatek.com</a>
19	Sbn Industries Sdn. Bhd. 6 Jalan Penaga Kawasan Perindustrian Kota Putri 81750 Masai, Johor	546	Contact: En. Mahdzir Ismail Tel: +607-388 2521 Fax: +607-388 2523 Email: mahdzir@sbnbiz.com Website: <a href="http://www.sbnbiz.com">http://www.sbnbiz.com</a>



# For imported steel products, alternative testing facilities to those listed prior may be leveraged upon

Institution	ABM	CIDB	CREAM, R&D arm of CIDB	FRIM	SIRIM	TÜV SÜD
<b>Services offered</b>	Product testing	<ul style="list-style-type: none"> <li>• Full type test report (FTTR)</li> <li>• Product certification</li> </ul>	<ul style="list-style-type: none"> <li>• Product testing (Structural and materials)</li> <li>• Certificate of Approval</li> <li>• RFID Service</li> </ul>	<ul style="list-style-type: none"> <li>• Product testing</li> <li>• Product certification</li> </ul>	<ul style="list-style-type: none"> <li>• Product testing</li> <li>• Product certification</li> </ul>	<ul style="list-style-type: none"> <li>• Product testing</li> <li>• Product certification</li> </ul>
<b>Fields of testing</b>	Crane and machinery operator	Cement, Ceramic Products, Iron & Steel, Aluminium, Glass, Radiant Barrier, Cellulose, Insulation Materials	Column, beam, slab, wall, pile, truss, full scale 2 storey structure, concrete, steel, timber, block & bricks, composite	Preservative test, soil test, resistant test for furniture and fire doors	<ul style="list-style-type: none"> <li>• Mechanical and thermal</li> <li>• Electrical &amp; Electromagnetic Compatibility</li> <li>• Fire resistance tests</li> </ul>	Mechanical and chemical tests, welding inspections, ISO 9001, ISO 14001, OHSAS 18001, maintenance inspections etc
<b>Location of facilities</b>	Kedah, Kuala Lumpur, Terengganu, Johor, Kuching, Kota Kinabalu	Makmal Kerja Raya Malaysia, Lot 8, Jalan Chan Sow Lin		Forest Research Institute Malaysia, 52109 Kepong	SIRIM QAS International, Shah Alam	Jalan Astaka, Bukit Jelutong, Shah Alam
<b>Contact person</b>	En Dolkifli Ketua Pengarah Operasi 0173319712	En Hazim 0126623568				Peter Tang 0138204524

# Testing services are also provided by SIRIM at their 2 laboratories, focusing on the fields mechanical & thermal

## Laboratories

## Examples of materials/products tested Non-exhaustive

<p><b>NO: SAMM 086</b> (Issue 2, 24 January 2018 replacement of SAMM 086 dated 8 December 2017)</p> <p><b>LABORATORY LOCATION:</b> (PERMANENT LABORATORY)</p>  <p><b>TESTING SERVICES DEPARTMENT (EEST1, EEST2 &amp; RFEMCT)</b> <b>SIRIM QAS INTERNATIONAL SDN BHD</b> <b>BUILDING 8, SIRIM COMPLEX</b> <b>1, PERSIARAN DATO' MENTERI</b> <b>SECTION 2, P. O. BOX 7035</b> <b>40700 SHAH ALAM</b> <b>SELANGOR, MALAYSIA</b></p> <p><b>FIELDS OF TESTING:</b>                      <b>ELECTRICAL &amp; ELECTROMAGNETIC COMPATIBILITY (EMC)</b></p>	<ul style="list-style-type: none"> <li>• Electric fans</li> <li>• Air Cleaning Appliances</li> <li>• Refrigerators and food freezers</li> <li>• Commercial dispensing appliances and vending machines</li> <li>• Electrical heat pumps, air-conditioners and dehumidifiers</li> <li>• Drills and impact drills</li> <li>• Grinders, polishers and disk-type sanders</li> <li>• Insulating material</li> <li>• Road vehicles</li> </ul>
<p><b>NO: SAMM 085</b> (Issue 2, 5 February 2018, replacement of SAMM 085 dated 12 December 2017)</p> <p><b>LABORATORY LOCATION:</b> (PERMANENT LABORATORY)</p>  <p><b>TESTING SERVICES DEPARTMENT (CCST, MAST &amp; FPST)</b> <b>SIRIM QAS INTERNATIONAL SDN. BHD.</b> <b>BUILDING 8, SIRIM COMPLEX</b> <b>1, PERSIARAN DATO' MENTERI</b> <b>SECTION 2, P.O. BOX 7035</b> <b>40700 SHAH ALAM</b> <b>SELANGOR, MALAYSIA</b></p> <p><b>FIELDS OF TESTING</b>                      <b>MECHANICAL AND THERMAL</b></p>	<ul style="list-style-type: none"> <li>• Metallic Materials Products</li> <li>• Metal Products (Stainless Steel, Carbon &amp; Low Alloy Steel)</li> <li>• Steel Fabric for reinforcement of concrete</li> <li>• Cold reduced Mild Steel Wire</li> <li>• Steel Bar for reinforcement of concrete</li> <li>• Steel Reinforcing materials</li> <li>• Steel</li> <li>• Steel wire ropes for Lifts</li> <li>• Steel wire ropes</li> <li>• Wire Ropes Slings and Sling Legs for general lifting purposes</li> <li>• Alloy Steel Chain Slings</li> <li>• Synthetic Rope Slings</li> <li>• Synthetic Webbing Slings</li> <li>• Manually Lever Operated Hoists (Chain type)</li> <li>• Below the hook lifting devices</li> <li>• Thermal Insulation Materials</li> </ul>

Source : SIRIM

Note : Full list of standards attached as appendix in the report

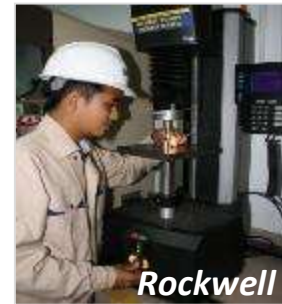
# SIRIM testing facilities can conduct mechanical tests, chemical composition, coating mass tests & dimensioning on Steel Sheet in Coil (1/3)

## Details

1

### Mechanical Test

- **Tensile Testing** - Involves straining a test piece in tension, generally to fracture for the purpose of determining mechanical properties
- **Hardness Testing** – Resistance to plastic deformation, determined by ability of a material to scratch another, diamond being the hardest and talc the softer e.g. Micro hardness, Standard Rockwell test and Brinell test
- **Charpy Impact Testing**



*Rockwell*



*Brinell*



*Charpy Test Specimen*



*Micro Hardness*



# SIRIM testing facilities can conduct mechanical tests, chemical composition, coating mass tests & dimensioning on Steel Sheet in Coil (2/3)

## Details

2

### Chemical Composition

- Elements analyzed: Carbon, Silicon, Manganese, Phosphorus, Sulphur, Nickel, Chromium
- Total Elements : 32 Elements
- SPECTROMETER SHIMADZU PDA-7000



3

### Coating Mass test

- Test Sample
- Weighing test sample
- Extract coating material
- Weighing test sample after extraction



# SIRIM testing facilities can conduct mechanical tests, chemical composition, coating mass tests & dimensioning on Steel Sheet in Coil (3/3)

## Details

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4

Dimensioning on  
Steel Sheet in Coil

