



# CIVIL AND CONSTRUCTION

**PRODUCTS TESTING**

**One-Stop Centre for Testing of Products  
and Materials Used in The Civil and  
Construction Sectors**



**SIRIM QAS is a regional leader in construction and building products testing. The Civil and Construction Section at SIRIM QAS is the one stop centre for all your materials testing needs. Demonstrate compliance to industry standards with SIRIM QAS's internationally recognised test reports, granting you greater access to the global construction market.**

### **The Structures for Success – Civil and Construction Products Testing**

With diverse requirements and the advance of technologies in the construction industry, independent assurance is important to ensure safety and quality requirements are met. This especially applies to materials used to support small and large scale construction projects.

Poor quality construction materials can lead to project delays and also injuries on site. SIRIM QAS is ready to help businesses minimise these risks by ensuring that construction materials comply with industry and environmental specifications.

Testing of construction materials can ensure that an infrastructure or building project runs smoothly and can be completed within the stipulated timeline. This secures the trust of investors and other stakeholders in your project delivery.

Furthermore, it encourages the use of high quality materials in the market, allowing manufacturers to enhance products supplied to the construction industry by ensuring that durability and performance requirements are met.

With extensive sector-specific experience and expertise, SIRIM QAS is one of the leading independent testing laboratories for products and materials used in the construction industry. Our fully integrated and state-of-the-art facilities, alongside competent testers are able to carry out the full range of testing for all categories of construction products and materials.

## Our Services

SIRIM QAS provides testing for all types of construction materials, which include:

Scope of Testing Services	
<ul style="list-style-type: none"><li>● Acoustics</li><li>● Additives</li><li>● Adhesives</li><li>● Admixture</li><li>● Aggregates</li><li>● Building Panels and Partitions</li><li>● Cement</li><li>● Ceramic Tiles</li><li>● Concretes</li><li>● Drainage and Sewerage Products</li><li>● Fibre Cements</li><li>● Flooring Products</li><li>● Glasses</li><li>● Grout</li><li>● Gypsums</li><li>● Heat and Sound Insulation Materials</li><li>● Insulated Glass Unit</li><li>● Integrated Building System (IBS)</li><li>● Masonry Units</li></ul>	<ul style="list-style-type: none"><li>● Mineral Wool Insulation</li><li>● Pavers</li><li>● Playground Equipment</li><li>● Playground Safety Surfacing</li><li>● Plasters</li><li>● Precast Building Components</li><li>● Precast Concrete Products</li><li>● Radiant Barrier and Reflective Insulation</li><li>● Ready Mix Concrete</li><li>● Roofing Tiles</li><li>● Sanitary Ware Products</li><li>● Scaffolding and Falsework</li><li>● Sport Surfacing</li><li>● Stones</li><li>● Tint Film</li><li>● Vitrified Clay Pipe and Fittings</li><li>● Waterproofing</li><li>● Wood Based Products</li></ul>







Our fully equipped and accredited laboratories are able to accommodate the full range of testing methods.

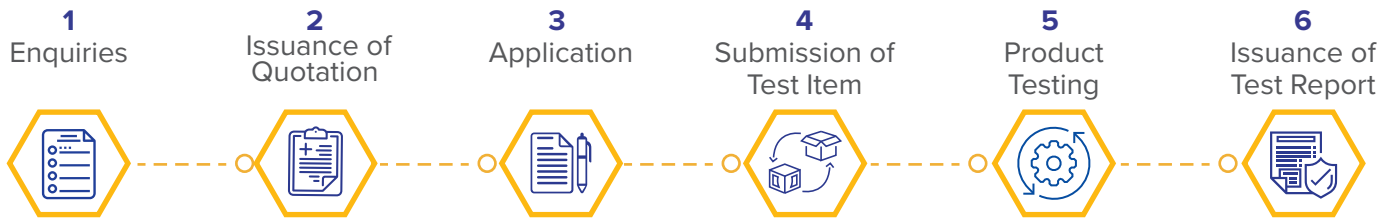
### Testing Facilities

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| <ul style="list-style-type: none"> <li>● Abraser Tester</li> <li>● Aggregate Apparatus</li> <li>● Bake and Boil Tester for Tint Film</li> <li>● Cement Testing Apparatus to MS and EN Standard</li> <li>● Ceramic Tiles Testing Apparatus</li> <li>● Compression and Flexural Machines</li> <li>● Concrete Mixer (Admixture Concrete)</li> <li>● Drop Ball Apparatus for Flooring Products</li> <li>● Emissivity Meter</li> <li>● Glass Impact Tester</li> <li>● Guarded Hot Plate</li> <li>● Hydraulic Structural Test Frame</li> <li>● Impact Testing Apparatus for Playground Surfacing</li> <li>● Impedance Tube for Sound Absorption Testing</li> </ul> | <ul style="list-style-type: none"> <li>● Industrial Oven</li> <li>● Mineral Wool Dimensional Tester</li> <li>● Pull Off Tester</li> <li>● Reverberation Acoustic Testing Chamber</li> <li>● Roofing Tile Testing Apparatus</li> <li>● Sanitary Ware Tester</li> <li>● Shear/Scratch Tester for Flooring Products</li> <li>● Single Portal Frame</li> <li>● Surface Stress Meter</li> <li>● Temperature and Humidity Chambers</li> <li>● Ultraviolet Radiation Chamber</li> <li>● Universal Testing Machines</li> <li>● UV-VIS-NIR Spectrophotometer</li> <li>● Water Baths for Conditioning of Ceramic Tiles and Fibre Cements</li> </ul> |
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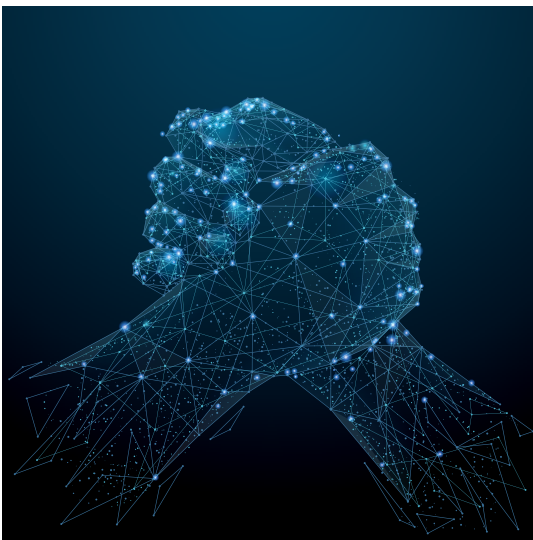
## Why Get Tested

- Provide assurance of product conformity to relevant international standards with SIRIM QAS' credible test reports.
- Enhance acceptance of your building and construction materials, allowing access to local and export markets.
- Increase efficiency through reliability of your construction products, reducing defects during production and achieve cost-efficiency.
- Secure trust of various stakeholders in your projects, hence safeguarding return on investments and increasing profit margins.
- Boost reputation among the wider construction and building industry.
- Create a safe and eco-friendly environment on-site, minimising risks of safety hazards or unexpected incidents.

## Testing Services Process



## SIRIM QAS – Building Foundations Together



SIRIM QAS is an internationally recognised Conformity Assessment Body with years of experience in providing testing, inspection and certification services to both local and international customers.

Our highly experienced and professional auditors have unrivalled expertise in the civil and construction industry, and are ready to guide companies through the meticulous testing processes to meet global construction requirements.

SIRIM QAS has gained accreditation and recognition by the Department of Standards Malaysia (STANDARDS MALAYSIA) under the National Laboratory Accreditation Scheme (SAMM) based on the requirements of MS ISO/IEC 17025. Our test report carries both SAMM and ILAC MRA logo. With these accreditations, a competent team and state-of-the-art facilities, we are able to provide accurate and high-quality services for all your testing needs.

### For more information, contact us at:



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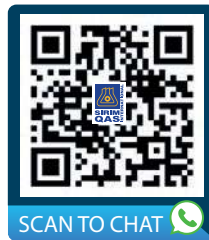
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