



## MATERIAL KNOWLEDGE

SGS INTRON IS NOW PART OF SGS, THE WORLD'S LEADING INSPECTION, VERIFICATION, TESTING AND CERTIFICATION COMPANY.

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# BUILDING MATERIALS SERVICES

## OBJECTIVE

Apart from water, building materials are the most commonly used materials in the world.

Building materials include both raw materials and composed materials, such as concrete and asphalt.

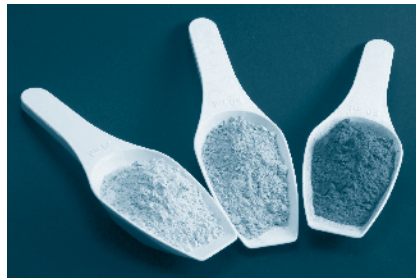
Building materials are the basis of both bound and unbound building products. The nature of raw materials varies greatly; in size (from filler to armor stones), location, composition, source (natural materials vs. secondary materials) and geometry.



Suppliers and users of raw materials face many different questions, including

- Is the material safe to use?
- Does the material comply with regulations?
- Can the material be certified?
- What is the quality of the material?
- Is the material suitable and/or durable?
- Which material is the most suitable?
- Can I use the materials for a specific application?
- What are the potential uses for the available material

Issues regarding sustainability are of increased relevance, as legislation alters, supply of waste materials increases and supply of natural resources is limited. Re-use and recycling of waste materials as secondary building materials become more and more important.



## THE SOLUTION

SGS INTRON provides a wide range of services related to building materials, including testing, certification and consultancy

- Testing and assessing properties, including chemical, physical, mechanical and environmental aspects
- Determining the relationships with resulting product performances
- Product certification according to guidelines; certified materials include both natural aggregates (sand, gravel) and secondary aggregates (MSWI bottom ash, LD slags, building and demolition waste materials, etc.)
- Checking whether environmental requirements are met (in the Netherlands: Soil Quality Decree)
- Establishing compatibility for the intended use, for example as aggregates in concrete

SGS INTRON is an independent body and can therefore also act as an impartial third party.

## WHY SGS INTRON?

SGS INTRON is leading in the field of raw materials for the building industry and has state-of-the-art knowledge on all aspects regarding building materials.

SGS INTRON participates in many committees for the development of standards, recommendations and directives, especially on the application

of secondary building materials in cement concrete. SGS INTRON is a known expert in the field, both in the Netherlands and abroad.

SGS INTRON combines knowledge on material properties with expertise on building and environmental regulations, market developments and economics.

## OUR SERVICES

Our services for building materials include

- Routine and specialised testing of materials. This includes more than 100 accredited test methods and more than 300 standardised tests in total
- Certification of raw materials
- Establishing suitability of raw materials for the intended use
- Design, development and assessment of building materials, containing secondary materials
- Scenario studies on both availability and potential uses of raw materials from various sources

SGS INTRON representatives are happy to help you with any questions. Please contact

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**WHEN YOU NEED TO BE SURE**

**SGS**