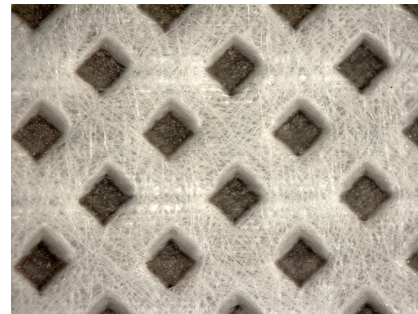




EXPERTS IN MATERIAL TESTING



When a product or a material is damaged it is important to know the cause of damage or material failure. As a result the product or production process could be improved, failure repeating prevented or the responsible party identified.

Within product assessment, the questions that need to be answered are in essence always the same:

- What is the nature of the damage?
- What kind of process causes the damage?
- Which material or material property causes the damage?

Answering these questions is the basis of a solid cause analysis and damage assessment.

There are many practical examples when material testing could be useful:

- Construction material damage;
- Identification of product contamination;
- Failure of protective coating;
- Corrosion of climate installation;
- Premature failure of artificial turf fibres.

HOW SGS COULD HELP

Our materials testing services include:

- Impartial third party assessment;
- Inspection of damaged structures on site;
- Laboratory analyses of damaged and/or contaminated materials.

DELIVERING EASY TO GRASP RESULTS

The test results and findings will be delivered in a report including interpretation of damage phenomena and identification of the cause of damage. The results could be provided in a presentation when desired.

TESTING MANY DIFFERENT KINDS OF MATERIALS

SGS can assess many different materials, e.g. plastics, metals, coatings, glass, rocks and minerals, biobased materials, binders or fibres. We are able to examine materials in cross section or surface analyses, regardless raw material or as part of a finished product.

MATERIAL RESEARCH SERVICES

We provide a multitude of material research services covering all aspects with regard to forensics materials investigation including:

- Extensive state of the art analysis equipment at the SGS laboratory like:
 - electron microscopy and micro element analysis (SEM/EDX);
 - petrography microscopy (PFM);
 - infra red analysis characterization (ATR/FTIR);

- and more specialised measurement devices.
- Highly qualified personnel with an extensive knowledge on all relevant aspects regarding materials characterization and damage assessment.

PART OF AN INTERNATIONAL ORGANISATION

SGS provides the best possible solutions in material testing. SGS is the world's leading inspection, verification, testing and certification company and is recognized as the global benchmark for quality and integrity. With more than 80,000 employees, SGS operates a network of over 1,650 offices and laboratories around the world. This makes us a powerful partner, whether at home or abroad.

We are happy to help, so please contact us when you would like to receive more information.

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WHEN YOU NEED TO BE SURE

SGS