



# ENSURING THE PROTECTION OF **STRUCTURAL MATERIALS**

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

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# COATING SERVICES

## OBJECTIVE

In many situations structures and buildings have to be protected against the environment. In general, protective layers or coatings can provide an excellent protection of underlying materials. However, the protection of the underlying materials is only as good as the quality of the protection itself. This quality is dependent on the chosen material, as well as the application of the material, in relation to local environmental conditions.

These environmental conditions may include: subjection to aggressive chemical compounds, exposure to (extreme) weather, as well as mechanical loads. Protective layers need to be resistant to these conditions, while preventing the underlying material to be exposed.



The questions that owners and builders of structures may face include

- Which protective material should I use?
- How and when can I best apply the protection?
- How long does the protection last?
- Does the coating (still) provide protection?
- How can I prevent (further) deterioration of my structure/building?

## THE SOLUTION

SGS INTRON helps our clients to answer these questions. To this end SGS INTRON provides a complete package of services with respect to protective layers on structural materials



- Service life prediction based on current and/or future protection
- Assessment of coating suitability, with respect to (intended) use and environmental conditions
- Checking/testing the quality of protective materials and the underlying structural materials
- Development of assessment criteria, both on application and product quality
- Assessment of application quality

## WHY SGS INTRON?

SGS INTRON has highly qualified personnel, including Nace qualified coating inspectors. These employees have an extensive knowledge on all relevant aspects regarding protection of materials, including materials science, damage mechanisms, application methods and costs.

SGS INTRON uses state-of-the-art equipment for damage assessment, in the field, as well as at the SGS INTRON laboratory. These techniques include advanced microscopic techniques and (accelerated) ageing tests by a wide variety of environmental conditions, such as frost (also in combination with deicing salts), UV-light, thermal cycling, etc.

SGS INTRON has an extensive experience on issues relating to protection materials, including the protection of large buildings and structures, such as bridges, high rise buildings, tunnels, chemical plants and many more. Our clients include both Dutch companies as well as international parties.

SGS INTRON is a champion for a high quality standard in the building industry and building materials in particular. This is the way SGS INTRON strives to provide the most durable solutions within the boundary conditions, albeit technical, financial, economical or other.

## OUR SERVICES

Our services on material protection include

- Inspection and testing of protection materials on site, as well as assessment of the condition of the underlying structural materials
- Laboratory testing of protection materials, including accelerated ageing under different exposure conditions (frost, UV lighting, thermal cycling)
- Certification of protection materials (CE-marking based on EN 1504-2 and 1504-3)
- Assessment/auditing of protection materials application
- Consultancy on issues relating to protection material suitability

SGS INTRON representatives are happy to help you with any questions and issue a quotation. Please contact

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**WHEN YOU NEED TO BE SURE**

