



RELEASE OF DANGEROUS SUBSTANCES



Producers of construction products will have to supply data on the release of dangerous substances from their products, following essential requirement 3 in the Construction Products Regulation (CPR). The new leaching tests to determine the release of substances are now known and will be effective in a short time. At this moment producers of construction products wish to see how their products perform with these standards. SGS is able to conduct these leaching tests according to the new standards in its environmental building materials laboratory.

THE NEW EUROPEAN LEACHING TESTS

SGS performs the new European leaching tests. The most important tests are:

- CEN/TS 16637-2: Horizontal dynamic surface leaching test (DLST) for determination of surface dependent release of substances from monolithic or plate-like or sheet-like construction products;
- CEN/TS 16637-3: Horizontal up-flow percolation test for determination of the release of substances from granular construction products.

The new European leaching tests are not limited to stone construction products, as is the case with the Dutch tests, but



also include plastics, bituminous roofing materials, coatings and wood. They are also not limited to determining the leaching of inorganic components, but extend to organic components such as the leaching of plasticisers from plastics and concrete. As a result, we can also investigate whether products with a high level of organic compounds offer market prospects based on actual leaching. In the Netherlands, the new leaching tests will replace the Dutch tests.

VIEW OF ENVIRONMENTAL PERFORMANCE

It is important for manufacturers to know what application of the new European leaching tests means for the leaching data of your construction product(s). This data should be used within the Declaration of Performance (DoP) of your product: The Environmental Product Declaration (EPD) that is prescribed by the CPR.

SGS has many years of experience with leaching tests for granular construction products, such as:

- Percolation test (LS1,1-10) NEN 7383;
- Percolation test (7 step) CEN/TS 14405;
- Short test (L/S=10, < 4mm) EN 12457-2;
- Tumbling test DIN-38414-S4.

Also for shaped and moulded construction products, like:

- Maximum availability test NEN 7371;
- Tank test (8 fractions) NEN 7375.



SGS can evaluate the test results and provide the client with information on the relation between the test results and relevant limit values and with known data from other products.

ABOUT SGS

SGS is the world's leading inspection, verification, testing and certification company. With experts in construction materials, processes and structural damage assessment around the world, backed-up by an international network of over 2,400 offices and laboratories, SGS offers you flexibility and a comprehensive range of services all in one place.

HOW CAN WE HELP?

Do you have a question or would you like more information? Please contact us today.

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WHEN YOU NEED TO BE SURE

