

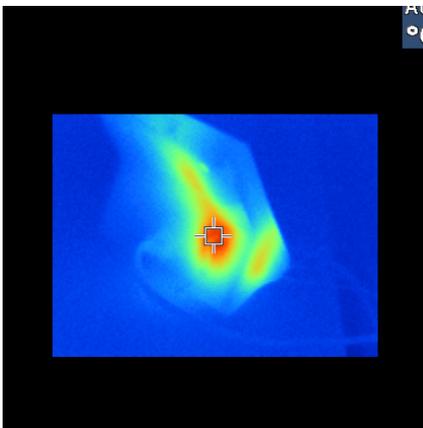
ELECTRICAL TESTING LABORATORY
SGS CEBEC

SGS BELGIUM NV : DIVISION SGS CEBEC

The SGS Belgium NV – Division SGS CEBEC laboratory is an approved laboratory for the purpose of certifications granted by SGS CEBEC. The laboratory was set up in 2002. In 2004 it was audited by an international team and at the end of 2004 the SGS CEBEC laboratory was approved as a CBTL (CB Testing Laboratory) under the international IECEE-CB scheme. In 2005, it was approved by EEPKA as a laboratory operating in compliance with the CCA, HAR and ENEC agreements.

CERTIFICATION

Consequently, the following marks and certifications can be obtained on the basis of testing performed in the SGS CEBEC laboratory.



PRODUCT CATEGORIES

- **CABL:** electrical cables
- **CONT:** automatic control equipment
- **HOUS:** electrical household appliances
- **INST:** installation equipment
- **MEAS:** measuring equipment
- **MED:** electro-medical equipment
- **OFF:** information-processing equipment
- **POW:** power equipment
- **PROT:** protection equipment
- **SAFE:** transformers
- **TRON:** electronic household equipment

QUALITY

The laboratory complies with international standard ISO/IEC 17025 and international requirements IECEE-01, IECEE-02 and European requirements HAR-PD-A, ENEC-301 and CCA-210.

It also plays an active part in the ECS “Operational Staff Meetings” for interpreting European standards: OSM-EE (electronic equipment), OSM-HA (household appliances), OSM-LUM (lighting), OSM-INST (installation equipment), OSM-CABL (cables).

The laboratory is a member of the IECEE-CTL (Committee of Testing Laboratories) and actively participates in CTL meetings for interpreting IEC international standards.

Its participation in inter-laboratory comparison programs, “Proficiency Testing Programs”, organised by the IECEE-CTL, ensures that the tests offered by SGS CEBEC are of a high standard.





SPECIAL TESTS

Since the SGS CEBEC laboratory uses very high quality equipment, particularly in view of its adherence to the strict requirements of European and international agreements, it offers a range of state-of-the-art testing services, namely:

GLOW-WIRE, NEEDLE FLAME OR HB, V2, V1, V0, 5V FLAMMABILITY TESTS:

These tests are performed on insulating or plastic materials. A conformance report or certificate can be obtained for the material. In keeping with the OSM rulings, such a certificate is accepted by other European certification laboratories/organisations, thus avoiding the need to repeat this test.

IP TESTING:

IP tests serve to classify enclosures in terms of the ingress of solid objects and liquids. The code is made up of the letters IP followed by two numerals: the first numeral from 0 – 6 represents the degree of protection against the ingress of solid foreign objects and the second numeral, from 0 – 8, represents the degree of protection against the ingress of water. A conformance report and certificate can be obtained for the enclosure.

IK TESTING:

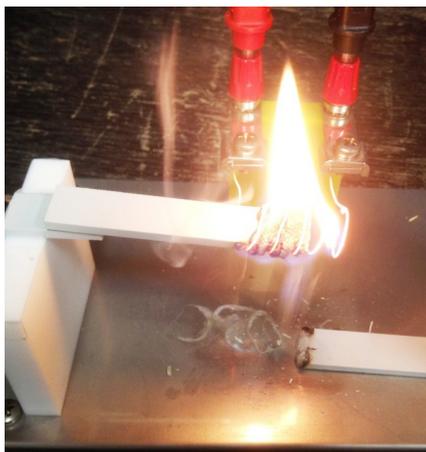
These tests serve to classify enclosures in terms of their resistance to impact. This code is made up of the letters IK followed by two numerals: 00 – 10. A conformance report and certificate can be obtained for the enclosure.

ENERGY PERFORMANCE TESTING:

These tests verify the power consumption of appliances such as televisions, refrigerators, energy-saving light bulbs, etc.

PERFORMANCE TESTING:

This checks the functionality of electrical appliances: for example, whether a drill is able to drill into wood, metal and concrete a certain number of times.



SPECIAL SERVICES:

Our technical experts can assist you with a number of special services:

VISUAL STRUCTURAL INSPECTIONS:

Before submitting a product for full testing, it is strongly recommended to have it structurally examined to ensure that it complies with the requirements of the applicable standards. Once the construction has been validated, the tests can be performed.

IMPORT IDENTITY CHECK:

Many importers are keen to ensure that the products they are buying are fully compliant with the applicable European or national standards and regulations and, in addition to inspection of the conformance documentation, this service checks that the product to be imported is identical to the product originally certified and that it passes the critical tests.

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WHEN YOU NEED TO BE SURE

