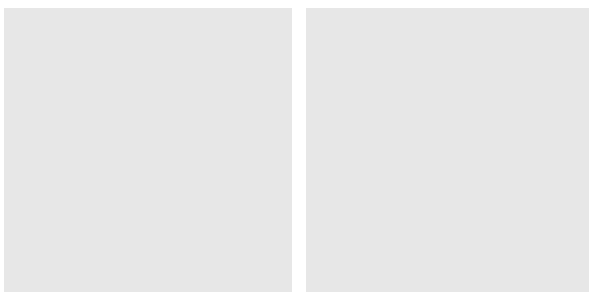


DIN EN 16516

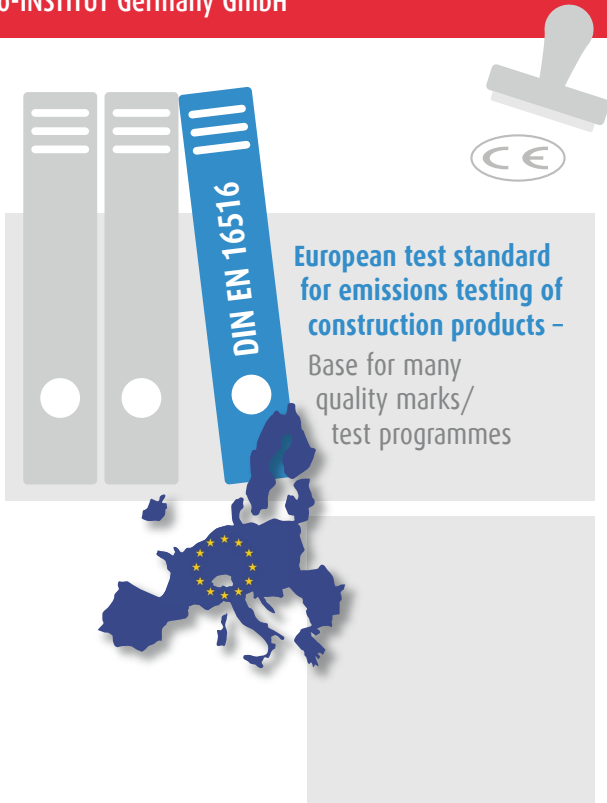
European test standard for emissions testing of construction products



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European test standard for emissions testing of construction products –
 Base for many quality marks/ test programmes

*One emission test – many possibilities**



EMICODE® seal



M1



Blue Angel



natureplus®-label



eco-INSTITUT-Label



AgBB



DIBt expertise/ approval



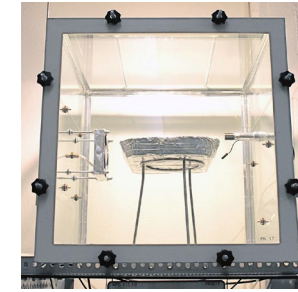
Belgian VOC regulation



French VOC label



CAM - Criteri Ambientali Minimi



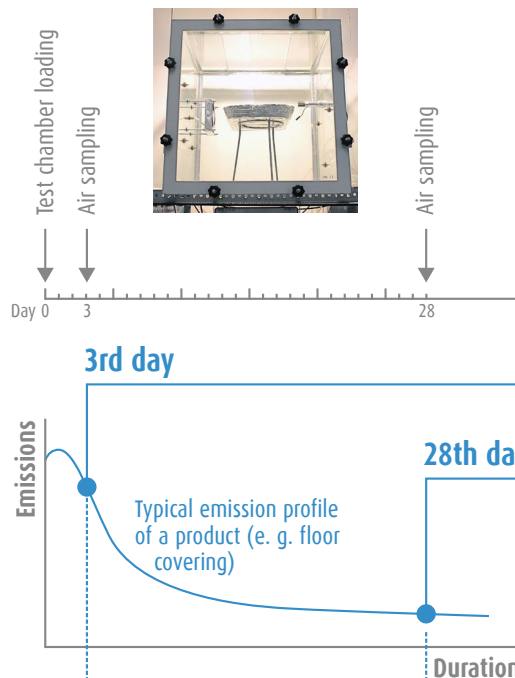
Emission test chamber

What are emissions and how can they be measured?

Many indoor products emit gaseous substances, some of which are hazardous to health – so-called volatile organic compounds (VOC).

These emissions can be measured in emission test chambers – small rooms made of glass or stainless steel that simulate the climatic conditions of a real interior.

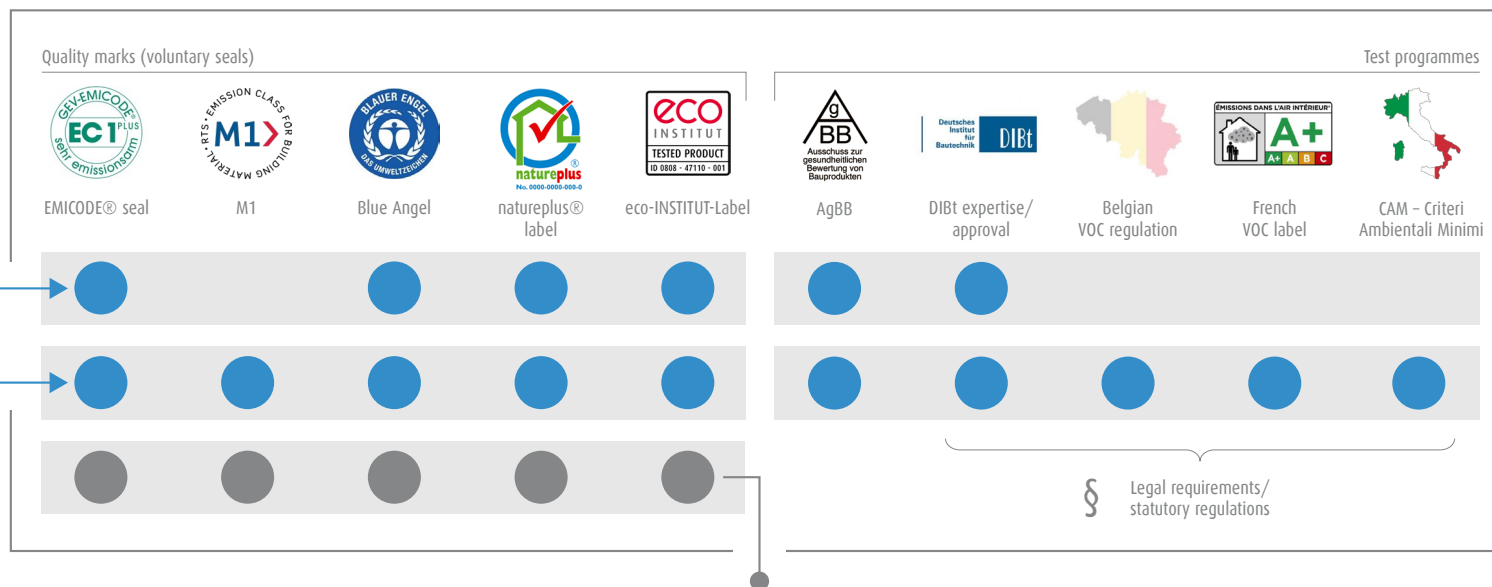
*Selection of common quality marks (environmental and health labels) and test programmes for construction products



Test report	
VOC 1	123 µg/m³
VOC 2	80 µg/m³
VOC 3	234 µg/m³
TVOC	437 µg/m³

Test report	
VOC 1	15 µg/m³
VOC 2	6 µg/m³
VOC 3	87 µg/m³
TVOC	108 µg/m³

The requirements of the quality marks and test programmes in comparison



Emissions

For emission measurements, there are usually **2 measurement time points**: On the **3rd and 28th day** after test chamber loading, an air sample is taken from the test chamber. For individual quality marks/programmes, only **1 measurement** is required after **28 days**.

In addition to VOC, other substances are also measured for individual quality marks/programmes (e. g. ammonia for M1, DIBt).



Further requirements

Many quality marks have further requirements: e.g. for critical ingredients, odour, quality or wood origin. These requirements are tested independently of the emission measurement.

The eco-INSTITUT is a recognized testing laboratory for these quality marks. However, the certification or awarding of the label is carried out by the respective label provider.

The **eco-INSTITUT-Label** is awarded by our own certification body.

