



Explosive Atmosphere

ATEX and IECEx Certification Scheme

Directive 2014/34/EU

Electrical and non-electrical equipment for use in workplaces potentially at risk for explosive atmospheres must ensure a level of safety appropriate to the area of installation.

Atex Directive includes in its scope the following type of products:

- Equipment and Protective Systems which may be used in potentially explosive atmospheres;
- Safety devices, controlling devices and regulating devices intended for use outside potentially explosive atmospheres but which are required for or contribute to the safe functioning of equipment and protective systems, with respect to the risks of explosion;
- Components defined as any item essential to the safe functioning of equipment and protective systems but with no autonomous function.

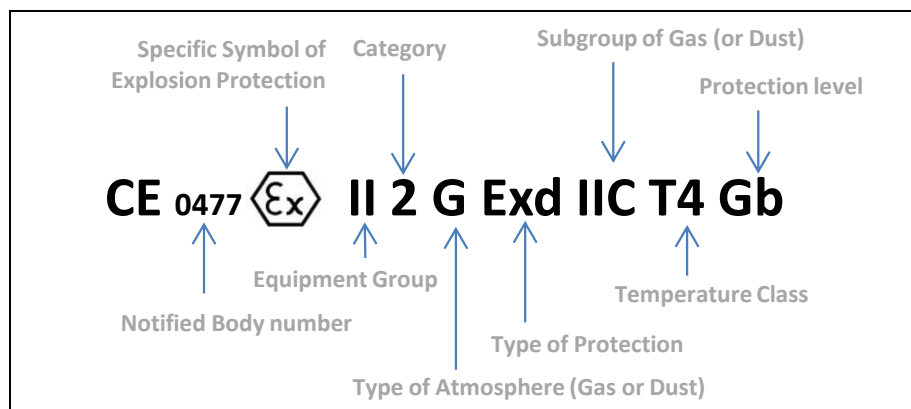
Eurofins Product Testing Italy

Notified Body n° 0477 for CE certification in accordance with ATEX Directive 2014/34/EU for **all types of products and type of protection.**

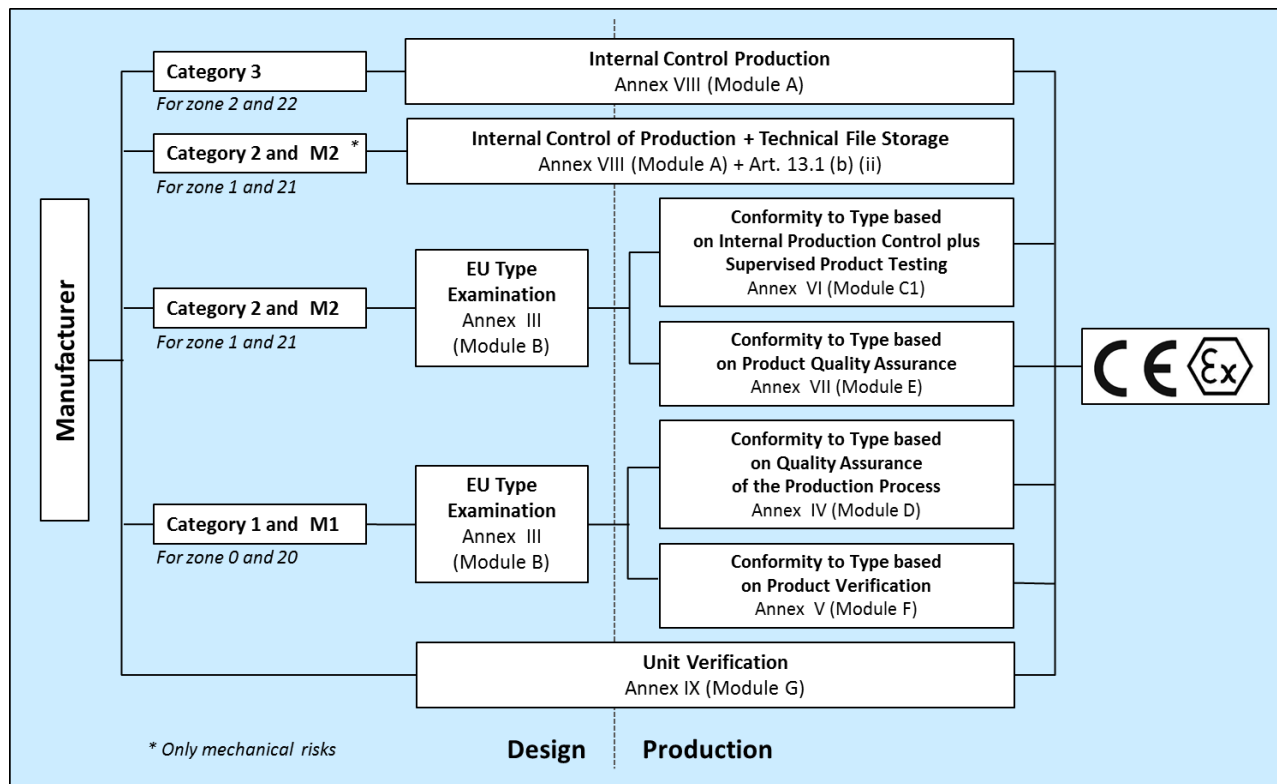
- Flameproof enclosures "d"
- Tight dust enclosures "t"
- Intrinsic safety equipment "i"
- Increased safety equipment "e"
- Encapsulated equipment "m"
- Liquid immersed equipment "o"
- Pressurized enclosures "p"
- Powder filling equipment "q"
- Equipment with type of protection "n"
- Flow restricted enclosures "fr"
- Equipment protected by constructional safety "c"
- Equipment protected by liquid immersion "k"
- Equipment protected by control of ignition sources "b"

Eurofins Product Testing Italy performs at its laboratories all **tests** relating to the above protection modules.

Marking string example



ATEX Certification Paths



March 2017

IECEx Certification Equipment Scheme

Eurofins Product Testing Italy is accredited as **Certification Body (ExCB)** and **Testing Laboratory (ExTL)** in the international **IECEx Certification Equipment Scheme** for the following standard and type of protection:

- IEC 60079 - Part 0: Equipment General requirements
- IEC 60079 - Part 1: Equipment protection by flameproof enclosures "d"
- IEC 60079 - Part 2: Equipment protection by pressurized enclosure "p"
- IEC 60079 - Part 7: Equipment protection by increased safety "e"
- IEC 60079 - Part 11: Equipment protection by intrinsic safety "i"
- IEC 60079 - Part 15: Equipment protection by type of protection "n"
- IEC 60079 - Part 18: Equipment protection by encapsulation "m"
- IEC 60079 - Part 31: Equipment dust ignition protection by enclosure "t"



Contact us:

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