

Before submitting for Certification, check that the Product can comply with the relevant clauses of:

**General Requirements
IEC 61241-0**

When preparing an application for Certification, it should be kept in mind that the Testing Laboratory may not be familiar with the products. It is essential to give a practical description of the equipment, its use, what the range is – assuming there are several sizes of product involved – and to remember that all types of explosion-protection techniques are wholly or partly dependent upon the successful assessment and tests contained within the General Requirements Standard, BEFORE proceeding to the basic “Dust” Standard. The following is a checklist that needs to be considered prior to making a submission to the Testing Station; and each clause of the Standard should be studied to ensure that all relevant items are covered for the product/s requiring Certification:

- Specifications:** Show material and proprietary items specifications on drawings or cross-refer to separate, identifiable specification sheets
- Describe:** Chemical Physical Electrical properties of each part that may affect the integrity of the explosion-protection technique
- Specify:** The Zones of hazard in which the equipment is to operate Insulation types Moulding materials magnesium & titanium content in light metals Comparative Tracking Index CTI Gasket & O-ring materials/dimensions
- Minimum Thickness of enclosure walls Interlocking devices
- Materials Chemical resistance to vapours and liquids
- Plastic materials and Resistance to heat Cold and Light where appropriate. Electrostatic characteristics . A plastic manufacturer’s statement may help to conserve costs. Delay in opening requirements
- Anti-condensation heaters Thermal protection devices
- Breathers Drainage devices Capacitors Transformers Bushings
- Resistors Batteries Primary and Secondary Cables
- Varnish Impregnation Techniques Window Glass Fasteners
- Tolerances on Threads and Holes Earthing and Bonding arrangements
- List Range of:** Voltages Currents Frequencies Watts Frame Sizes
- Lamp Tube Lengths Sizes of Conduit or Gland entries
- Limitations of Power for declared Temperature Class Surface Temperature
- Clearances to Earth Metal Creepages and Clearance Distances
- Options for each product type
- Prepare:** Clear and legible drawings showing the detail that is called up in each Standard
- Keep the drawing quantities down to a minimum
- Drawings for Certification rather than using Production Drawings
- Provide:** Test Reports of Load Tests to support the range
- Certificates of Conformity for any Components – already certified - that are used in the product assemblies
- Certificates and Test Report copies if the product/s is being submitted for Supplementary Certification
- Be prepared:** To submit more than one sample When encapsulated, provide a potted and unpotted version of the product
- Check:** All clauses of the General Requirements Standard AND the Standards covering the specific types of protection for which Certification is requested