


Schedule of Accreditation
 issued by
United Kingdom Accreditation Service
 21 - 47 High Street, Feltham, Middlesex, TW13 4UN, UK

 259 Accredited to EN 45011:1998 (ISO/IEC Guide 65:1996) to provide product conformity certification	FM Approvals Ltd Issue No: 005 Issue date: 18 July 2011	
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Locations where certification activities covered by the above Accreditation Standard are undertaken	
1 Windsor Dials Windsor Berkshire SL4 1RS	



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DETAIL OF ACCREDITATION

Product	Standard
<p>Electrical and non-electrical apparatus, systems, devices and components for potentially explosive gas, dust or vapour atmospheres using the following protection concepts:</p>	
<p>General requirements Flameproof enclosures 'd' Increased safety 'e' Intrinsic safety 'i' Encapsulation 'm' Type of protection 'n' Oil immersion 'o' Pressurised apparatus 'p' Powder filling 'q' Protection by enclosure "tD" Type of Protection "pD" Protection by intrinsic safety "iD" Protection by encapsulation "mD" Protection by flow restricting enclosures 'fr' Protection by flameproof enclosures 'd' Protection by constructional safety 'c' Protection by control of ignition source 'b' Protection by liquid immersion 'k' Intrinsically safe electrical systems Fieldbus intrinsically safe concept (FISCO) and fieldbus non-incendive concept (FNICO) Flame arresters, performance requirements, test methods, and limits for use Reciprocating Internal Combustion Engines for use in potentially explosive atmospheres Group I engines for workings susceptible to firedamp and/or combustible dust Group II engines for flammable dust atmospheres Safety of Industrial trucks</p>	<p>To the essential health and safety requirements of Directive 94/9/EC and EN, prEN and other documents as appropriate.</p> <p>Details of the specific FM, IEC, EN, BS, and other standards covered please refer to FM Approvals document CM 007.</p>



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Product	Standard
At the last review of CM 007 the following standards were included within the scope of accreditation, other standards may have since been added using the flexible scope arrangement	
Explosion prevention and protection Basic concepts and methodology	EN 1127-1
Industrial Trucks	EN 1755
Group II engines for flammable gas and vapour atmospheres	EN 1834-1
Group I engines for workings susceptible to firedamp and/or combustible dust	EN 1834-2
Group II engines for use in flammable dust atmospheres	EN 1834-3
Flame arrestors	EN 12874
Non Electrical Equipment - General Requirements	EN 13463-1
Protection by flow restricting enclosure "fr"	EN 13463-2
Protection by flameproof enclosure 'd'	EN 13463-3
Non Electrical Equipment - Constructural Safety	EN 13463-5
Protection by control of ignition source "b"	EN 13463-6
Non Electrical Equipment - Liquid Immersion	EN 13463-8



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Potentially explosive atmospheres. Application of quality systems.	EN 13980:2002
Cranes - Power driven winches and hoists - Part 1: Power driven winches	EN 14492-1
Cranes - Power driven winches and hoists - Part 2: Power driven hoists	EN 14492-2
Electrostatic hand-held spraying equipment	EN 50050
Electrical apparatus for the detection and measurement of oxygen - performance requirements and test methods	EN 50104
Specification for open path apparatus for the detection of combustible or toxic gases and vapours - Part 1: General requirements and test methods	EN 50241-1
Performance requirements for apparatus for the detection of combustible gases	EN 50241-2
Electrical apparatus for explosive gas atmospheres: General requirements - General requirements	EN 50014:1998 (withdrawn) IEC 60079-0 FM 3600
Flameproof enclosures 'd'	EN 50018:2000 (withdrawn) IEC 60079-1 FM 3615



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Powder filling 'q'	EN 50017:1998 IEC 60079-5
Oil immersion 'o'	EN 50015:1998 IEC 60079-6
Increased safety 'e'	EN 50019:2000 (withdrawn) IEC 60079-7
Intrinsic safety 'i'	EN 50020:2002 (withdrawn) IEC 60079-11 FM 3610
Type of protection 'n'	BS EN 50021:1999 (obsolescent) IEC 60079-15 FM 3611
Encapsulation 'm'	EN 50028:1987 (withdrawn) IEC 60079-18
Intrinsically safe electrical systems	EN 50039:1980 (withdrawn) IEC 60079-25:2003 FM 3610
Equipment Group II Category IG/Zone 0	EN 50284:1999 (withdrawn) IEC 60079-26



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Electrical apparatus for explosive gas atmospheres. Fieldbus intrinsically safe concept (FISCO) and fieldbus non-incendive concept (FNICO)	IEC 60079-27
Protection of equipment and transmission systems using optical radiation	IEC 60079-28
Detectors for flammable gases	IEC 60079-29-1
Electrical resistance trace heating	IEC 60079-30-1
Electrical Apparatus for use in dust atmospheres General requirements	IEC 61241-0:2006 (withdrawn)
Electrical apparatus for use in the presence of combustible dust: Electrical apparatus protected by enclosures: Section 1: Specification for apparatus	EN 50281-1-1:1999 (withdrawn)
Protection by enclosure "tD"	IEC 61241-1
Electrical apparatus for use in the presence of combustible dust: Type of protection 'pD'	IEC 61241-4
Protection by intrinsic safety "iD"	IEC 61241-11
Protection by encapsulation "mD"	IEC 61241-18
Electrical apparatus for the detection and measurements of combustible gases - General requirements	IEC 61779-1 ISA 12.13.01 FM 6310-20



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Performance requirements for Group I apparatus indicating up to 5% (V/V) methane in air	IEC 61779-2
Performance requirements for Group I apparatus indicating up to 100%(V/V) methane in air	IEC 61779-3:1998
Performance requirements for Group II apparatus indicating up to 100% lower explosive limit	IEC 61779-4:1998
Performance requirements for Group II apparatus indicating up to 100% (V/V) gas	IEC 61779-5:1998
Where IEC or EN standards have exact equivalents in BS, EN, BS EN or ISA Standards, these BS, EN, BS EN or ISA standards are also included in the accreditation.	
Products used in construction, falling under the following product areas: Fire alarm/detection, fixed fire-fighting, fire and smoke control and explosion suppression products Roofing Walls and ceilings Thermal insulating products	To the essential requirements of Directive 89/106/EEC and EN, prEN and other documents as appropriate. Details of the specific FM, IEC, EN, ETAG, BS and other standards covered please refer to FM Approvals document CM 007.
At the last review of CM 007 the following standards were included within the scope of accreditation, other standards may have since been added using the flexible scope arrangement.	
Panels (as internal or external finishes in walls or ceilings subject to reaction to fire regulations)	EN 438-7



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Prefabricated accessories for roofing. Individual roof lights of plastics.	EN 1873:2005
Smoke and heat control systems – natural smoke and heat exhaust ventilators	EN 12101-2:2003
Nozzles/sprinklers/outlets (Fire safety)	EN 12259-1
Wet alarm valve assemblies (Fire safety)	EN 12259-2
Dry alarm valve assemblies (Fire safety)	EN 12259-3
Sprinklers and water spray systems-kits (Fire safety)	EN 12259-4
Water flow detectors/switches (Fire safety)	EN 12259-5
Deluge valves (Fire safety)	prEN 12259-9
Pumps (Fire safety)	prEN 12259-12
Thermal insulation products for buildings. Factory made mineral wool (MW) products	EN 13162
Factory made products of expanded polystyrene (EPS)	EN 13163
Factory made products of extruded polystyrene foam (XPS)	EN 13164



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Factory made rigid polyurethane foam (PUR) products	EN 13165
Factory made products of phenolic foam (PF)	EN 13166
Factory made cellular glass (CG) products	EN 13167:2008
Factory made wood wool (WW) products	EN 13168:2008
Factory made products of expanded perlite (EPB).	EN 13169
Factory made products of expanded cork (ICB).	EN 13170
Factory made wood fibre (WF) products	EN 13171
Geosynthetic barriers - Characteristics required for use in the construction of reservoirs and dams	EN 13361
Characteristics required for use in the construction of canals	EN 13362
Characteristics required for use in the construction of liquid waste disposal sites, transfer stations or secondary containment	EN 13492
Geosynthetic barriers. Characteristics required for use in the construction of solid waste storage and disposal sites.	EN 13493
Flexible sheets for waterproofing. Reinforced bitumen sheets for roof waterproofing	EN 13707



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Curtain wallings	EN 13830
Flexible sheet for waterproofing.	
Underlays for discontinuous roofing	EN 13859-1:2010
Underlays for walls	EN 13859-2:2010
Flexible sheet for waterproofing. Plastic and rubber sheets for roof waterproofing.	EN 13956:2005
Flexible sheets for waterproofing. Plastic and rubber damp proof sheets including plastic and rubber basement tanking sheet.	EN 13967:2004
Thermal insulation products for building equipment and industrial installations - Factory made mineral wool (MW) products	EN 14303:2009
Thermal insulation products for building equipment and industrial installations - Factory made flexible elastomeric foam (FEF) products	EN 14304:2009
Thermal insulation products for building equipment and industrial installations - Factory made cellular glass (CG) products	EN 14305:2009
Thermal insulation products for building equipment and industrial installations - Factory made calcium silicate (CS) products	EN 14306:2009



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Thermal insulation products for building equipment and industrial installations - Factory made extruded polystyrene foam (XPS) products	EN 14307:2009
Thermal insulation products for building equipment and industrial installations - Factory made rigid polyurethane foam (PUR) and polyisocyanurate foam (PIR) products	EN 14308:2009
Thermal insulation products for building equipment and industrial installations - Factory made products of expanded polystyrene (EPS)	EN 14309:2009
Thermal insulation products for building equipment and industrial installations - Factory made polyethylene foam (PEF) products	EN 14313:2009
Thermal insulation products for building equipment and industrial installations - Factory made phenolic foam (PF) products	EN 14314:2009
Self-supporting double skin metal faced insulating panels. Factory made products.	EN 14509
Coverings in roll form (as internal finishes in walls or ceilings subject to reaction to fire regulations)	EN 14716
Roof coverings. Continuous rooflights of plastics with or without upstands.	EN 14963
Internal partition kits (for uses subject to reaction to fire requirements)	ETAG 003



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Liquid applied roof waterproofing kits (for uses subject to reaction to fire regulations)	ETAG 005
Systems of mechanically fastened flexible roof waterproofing membranes including the system of fastening, jointing and edging, and sometimes thermal insulation, limited to continuous watertight systems based on flexible sheets (for roof waterproofing)	ETAG 006
<u>Self-supporting translucent roof kits (except glass based kits)</u>	ETAG 010
Self-supporting composite lightweight panels	
<u>General</u>	ETAG 016-1
Self-supporting Composite Lightweight Panels for use in roofs	ETAG 016-2
Self-supporting composite lightweight panels for use in external walls and claddings	ETAG 016-3
Self-supporting composite lightweight panels for use in internal walls and ceilings	ETAG 016-4
Fire Protective Products	
<u>General</u>	ETAG 018-1
Reactive coatings for fire protection of steel elements	ETAG 018-2
Renderings and rendering kits intended for fire resisting applications	ETAG 018-3
Fire Protective board, slab and mat products and kits	ETAG 018-4



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<p><u>Firestopping and firesealing products</u></p> <p><u>General</u></p> <p><u>Penetration seals</u></p> <p>Linear joint and gap seals</p>	<p>ETAG 026-1</p> <p>ETAG 026-2</p> <p>ETAG 026-3</p>
<p>Where IEC or EN standards have exact equivalents in BS, EN or BS EN Standards, these BS, EN or BS EN standards are also included in the accreditation.</p>	
<p>The certification systems used for the above are one or more of the following:</p> <p>Type testing or examination Product evaluation Design appraisal</p> <p>These can be coupled with assessment and surveillance of production, the supplier's quality system and/or installation sites.</p> <p>:</p>	



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Product	Standard
Where appropriate a European Technical Approval, or EC Type Examination Certificate, or Certificate or Statement of Conformity, or FM Approvals Certificate Will be issued to the supplier along with (if relevant) the right to use the appropriate mark of conformity.	
END	