Commercial Pool Legislation

This factsheet has been produced to give guidance to Members about the variety of documents and materials that they should have in their possession to achieve Best Practice, when undertaking commercial work.

The list below should be regarded as the minimum schedule of British and European Standards, other recommendations and publications that should be adhered to for commercial swimming pools, spas and wet areas.

The information contained in these documents may be subject to change and Members should be aware that BS 8007:1987 - Design of concrete structures for retaining aqueous liquids, has been superseded by Eurocode 2 (part of BS EN 1992 and the full title is set out below).

Please note that many of the items listed below may also be of relevance for Members that undertake domestic work.

- SPATA Standards 2010 (for all commercial and domestic types of swimming pools and Spas (excluding Hot Tubs))
- BS EN 15288-1:2008 – Part 1 Safety requirements for design
- BS EN 15288-2:2008 – Part 2: Safety requirements for operation
- PAS 81:2008 -Specification for the management and operation of swimming schools (currently being reviewed)
- BS EN 13451-1 – Swimming pool equipment – Part 1: General safety requirements and test methods
- BS EN 13451-2 – Swimming pool equipment – Part 2: Additional specific safety requirements and test methods for ladders and handle bends
- BS EN 13451-3 – Swimming pool equipment – Part 3: Additional specific safety requirements and test methods for pool fittings for water treatment purposes
- BS EN 13451 – 4 – Swimming pool equipment – Part 4: Additional specific safety requirements and test methods for starting platforms
• BS EN 13451 – 5 – Swimming pool equipment – Part 5: Additional specific safety requirements and test methods for lane lines
• BS EN 13451 – 6 - Additional specific safety requirements and test methods for turning boards
• BS EN 13451 – 7 - Swimming pool equipment – Part 7: Additional specific safety requirements and test methods for water polo goals
• BS EN 13451 – 8 - Swimming pool equipment – Part 8: Additional specific safety requirements and tests methods for leisure water features
• BS EN 13451 – 10 – Swimming pool equipment – Part 10: Additional specific safety requirements and test methods for diving platforms, diving springboards and associated equipment
• BS EN 13451 – 11 – Swimming pool equipment – Part 11: Additional specific safety requirements and test methods for moveable pool floors and moveable bulkheads
• BS EN 1992-3:2006 Eurocode 2 – Part 3 Liquid retaining and containment structures
• NA to BS EN 1992-3:2006 UK National Annex to Eurocode 2 Part 3 Liquid retaining and containment structures
• BS 5385-1:2009 Code of practice for the design and installation of internal ceramic and natural stone wall tiling and mosaics in normal conditions
• BS 5385-2:2006 Code of practice for the design and installation of external ceramic wall tiling and mosaics (including terra cotta and faience tiles)
• BS 5385-3:2007 – Wall and floor tiling – Part 3: Code of practice for the design and installation of ceramic floor tiles and mosaics
• BS 5385: Part 4:2009 – Wall and floor tiling – Part 4: Code of practice for tiling and mosaics in specific conditions
• Part 5: Code of practice for the design and installation of terrazzo tile and slab, natural stone and composition block floorings.
• BS 5492:1990 Internal plastering.
• BS 5606:1990 Accuracy in buildings.
• BS 6700 1997: Specification for design, installation, testing and maintenance of services supplying water for domestic use within buildings and their curtilage.
• BS 7592: Sampling for Legionella bacteria in water systems - Code of Practice
• BS 8000-8: 1994 Code of practice for plasterboard partitions and dry linings.
• BS 8000-9:2003 Code of practice for cement/sand floor screeds and concrete floor toppings
• BS 8000-16:1997 Code of Practice for sealing joints in buildings using sealants
• BS 8010:-1:1997 – Structural use of concrete
  Part 1: Code of Practice for design and construction
  Part 2: Code of Practice for special circumstances
- BS 8300:2009 – Design of buildings and their approaches to meet the needs of disabled people – Code of practice
- BS 8550:2010 Guide for the auditing of water quality sampling
- BS 8580: Risk Assessment for Legionnaires’ Disease (due out in the New Year)
- BS EN 1069-1:2000 Water slides of 2m height and more –Part 1: Safety requirements and test methods
- BS EN-12975:2001 – Thermal solar systems and components, solar collectors
  Part 1: General requirements
  Part 2: Test methods.
- BS EN 12004:2001 Adhesives for tiles – Definitions and specifications
- BS 12620:2002- Aggregates for concrete
- BS EN 12976-1: 2001- Thermal solar systems and components – Factory made systems.
  Part 1: General requirements
  Part 2: Test Methods.
  Part 1: General requirements
• BS EN 14411:2003 -
  Ceramic tiles – Definitions, Classifications, characteristics and marking.

• BS EN 15836-1: Plastics. Plasticized poly(vinyl chloride) (PVC-P) membranes for inground swimming pools.
  Part 1. Homogenous membranes of nominal thickness equal to or greater than 0.75mm.

• BS EN 15836-2: Plastics. Plasticized (polyvinyl chloride) (PVC-P) membranes for inground swimming pools. Part 2. Reinforced membranes of nominal thickness equal to or greater than 1.5 mm.

• BS EN ISO 1452 – 3 (Revision) Plastics piping systems for water supply and for buried and above ground drainage and sewerage under pressure. Unplasticized poly (vinyl chloride) (PVC U) Fittings. Will supersede BS EN ISO 1452-3:2009

• BS EN ISO 1452 – 5 (Revision) Plastics piping systems for water supply and for buried and above ground drainage and sewerage under pressure. Unplasticized poly (vinyl chloride) (PVC U) Fitness for Purpose. Will supersede BS EN ISO 1452-5:2009.

• BS EN ISO 9377: 2000; BS 6068-2.71:2000 –
  Water quality – Determination of hydrocarbon oil index


• BS EN ISO 13370-2007 Thermal performance of buildings. Heat transfer via the ground. Calculation methods

• BS EN ISO 13790-2008 Energy performance of buildings. Calculation of energy use for space heating and cooling

• BS EN ISO 14403:2002; BS 6068-2.75:2002 – Water quality – Determination of total cyanide and free cyanide by continuous flow analysis

• BS EN ISO 15587- 1:2002; BS 6068-2.76:2002 –
  Water quality - Digestion for the determination of selected elements in water –
  Part 1: Aqua Regia Digestion
  Part 2: Nitric Acid Digestion

• BS ISO 15705: 2002; BS 6068-2.80:2002 –
Water quality - Determination of the chemical oxygen demand index.

- BS EN ISO 15874 (1,2,3, and 5) Revisions Check July 2010 p32
- BS EN ISO 20712 – 1 – Water safety signs and beach safety flags – Part 1: Specification for water safety signs used in workplaces and public areas
- International Standard 1S0 13006: Ceramic tiles – Definitions, classification, characteristics and marking
- Accessible Sports Facilities 2010
- BSi/PAS 39
- Building Regulations Part L Conservation of fuel and power (with effect from 1st October 2010)
- CIBSE guides
- Department For Education – Designing for disabled children and children with special educational needs 2005
- Durapipe PVC-U Pipe work Systems – Technical data and dimensions
- Electrical Installation Design Guide – Calculations for electricians and designers
- Handbook of Sports and Recreational Building Design Volume 3 – Ice Rinks and Swimming Pools
- Health and Safety Executive/Health Protection Agency – Management of Spa pools – Controlling the risks of infection, ISBN: 0-901144-80-0
- HSE L5: Control of Substances hazardous to health, 6th Edition.
• HTM 2025 (National Health Service Estates) Health Technical Memoranda – HTM

• ISRM – Stainless Steel Advisory Service information sheets on cleaning and maintenance from the British Stainless Steel Association
  o No.1 - Introduction to Stainless Steel
  o No. 2 - Surface finishes of Stainless Steel
  o No. 3 – Working with Stainless Steel
  o No. 4 – Care and Maintenance of Stainless Steel
  o No. 5 – Forming and fabrication techniques for Stainless Steel
  o No. 6 – Welding of Stainless steel
  o No. 7 – European standardisation

• ISRM – Diving and Jumping in swimming pools and open water areas

• Lighting for swimming pools

• NHS Estates – HBN 8 Facilities for rehabilitation services


• PAS 150:2010 (Providing Rehabilitation Services Code of Practice)


• Public Health Laboratory Service – Hygiene for hydrotherapy pools( really superseded by above book).


• Sport England – Design Guidance Note Audit Checklist Swimming Pools

• Sport England – Access for disabled people

• Sprayed concrete – Properties, design and application

• The prevention of corrosion on structural steelwork (published by Corus)
• The Sprayed Concrete Association – Code of good practice

• The Tile Association – Design and construction process for swimming pools (a revised document is to be published September 2010)

• Water Fittings and Materials Directory from WRAS


The list is not all inclusive and other standards and recommendation will need to be considered in this respect, dependant on the actual project and any specifications that might be contained in the overall design or intent of the project.

Please note that the list has been compiled by Jim Gordon Associates and other members of the SPATA Technical Committee. SPATA is very grateful for this support in putting this factsheet together. If Members are aware of other documentation that should be included, please contact the SPATA office, so that the factsheet can be updated. Neither Jim Gordon Associates, nor SPATA can accept responsibility for any errors or omissions in the information provided in this factsheet.