

## 2000 Waterproofing For Concrete Structures

Building with precast concrete elements is one of the most innovative forms of construction. This book serves as an introduction to this topic, including examples, and thus supplies all the information necessary for conceptual and detailed design.

This manual presents amendments to the "Manual of Contract Documents for Highway Works: A Users Guide and Commentary". It reintroduces national requirements in respect of Wales, Scotland and Northern Ireland, and offers clarification of some of the problematic areas.

Integral Waterproofing of Concrete Structures demonstrates how integral waterproofing technologies can solve concrete durability problems based on performance and characterization experimental results. This book first establishes a background about concrete structures and porosity linked with concrete hydration, then goes on to consider concrete durability problems from the perspective of water penetration including damages from freeze-thaw cycles, alkali silica reactions, and chloride ion penetration. The mechanisms, applications, performances, and limitations of waterproofing technologies including coatings and integral systems are compared. The book also showcases all application methods of crystallization waterproofing materials, including material spray on cured concrete and on fresh concrete, and their addition to concrete mix designs as enhancers or admixtures. Pore-blocking and lining waterproofing systems including silicate-based and hygroscopic kinds, and other waterproofing materials are also discussed. Includes various, advanced, recent technologies in the field of waterproofing Presents and describes enhanced concrete characteristics and modified structures within the context of material engineering Summarizes the characteristics of waterproofing systems obtained from experimental results

Performance of Bituminous and Hydraulic Materials in Pavements

Spon's Civil Engineering and Highway Works Price Book 2015

Spon's Civil Engineering and Highway Works Price Book 2019

Integral Waterproofing of Concrete Structures

Legislative Document

SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2018 from AECOM gives costs for both general and civil engineering works and highway works. It provides a full breakdown of labour, plant and material elements, with labour rates updated. cost guidance is given at a number of levels, varying from the more general functional costs to detailed unit costs, and in conformity with CESMM4 and the Highways Method of Measurement. This 32nd edition incorporates a general update of prices in consultation with leading manufacturers, suppliers and specialist contractors -- especially in line with changes in the labour force and devaluation of the pound: Adjustments to the scope, range and detail of information help the user adjust unit costs with reference to allocated resources and outputs Resource costing in Part 4 is supplemented by the further advice on output factors in Part 10. Rail rates have been heavily revised, as the rail sector is currently overstretched. Man hours methodology has been generally used instead of gang rates, clarifying labour costs and output Use the access code inside the front cover of the book to get set up with a VitalSource® ebook of this 2018 edition. This versatile and powerful online data viewing package is available for use until the end of December 2018. In a time when it is essential to gain 'competitive advantage' in a sometimes turbulent market, this price book provides instant-access cost information and forms a one-stop reference. ... along with the standard features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs for incidental advice: tables and formulae, technical information, professional advice updates, free of charge, two or three times a year - see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk)

Provides an integrated overview of methods for controlling the cost, schedule and quality of a construction project. It emphasizes project diagnostics and analysis of the patterns of a project and covers estimating, procurement, construction management, planning, CPM, claims and data collection. It also covers the major planning, scheduling and estimating software packages from Primavera, G2, Computer Controls Inc., Timberline and others.

SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2019 from AECOM gives costs for both general and civil engineering works and highway works. It provides a full breakdown of labour, plant and material elements, with labour rates updated. cost guidance is given at a number of levels, varying from the more general functional costs to detailed resource costing, and in conformity with CESMM4 and the Highways Method of Measurement. In this 33rd edition: More emphasis has been given to sampling from major projects - of £20-£100m in value with no acute access or ground condition problems and run under NEC contracts. The rates, prices and outputs in the Resources and Unit Cost calculations include allowances for wastage, normal productivity and efficiency. Plus prices from specialists More research with contractors and suppliers allows for a more confident forecast in a volatile market - but outliers have been largely excluded. Prices are based more strongly on global structural steel grades and rates and extrapolated accordingly. Pipe lining is now included, as being more effective and economical than replacement of pipes in maintenance drainage works. Consideration is given to the possible scarcity of skilled labour. Use the access code inside the front cover of the book to get set up with an ebook of this 2019 edition on the VitalSource® Bookshelf platform. This versatile and powerful online data viewing package is available for use until the end of December 2019. ... along with the standard features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs for incidental advice: tables and formulae, technical information, professional advice updates, free of charge, two or three times a year - see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk)

Advances in Research and Practical Conservation

Industrial Digest and Commodities & Finance

Refurbishment Manual

Industrial Engineering and the Engineering Digest

Proceedings of the International World Tunnel Congress and the 31st ITA General Assembly, Istanbul, Turkey, 7-12 May 2005

The Engineering Digest

*This book serves as a reference for engineers, scientists, and students concerned with the use of materials in applications where reliability and resistance to corrosion are important. It updates the coverage of its predecessor, including coverage of: corrosion rates of steel in major river systems and atmospheric corrosion rates, the corrosion behavior of materials such as weathering steels and newer stainless alloys, and the corrosion behavior and engineering approaches to corrosion control for nonmetallic materials. New chapters include: high-temperature oxidation of metals and alloys, nanomaterials, and dental materials, anodic protection. Also featured are chapters dealing with standards for corrosion testing, microbiological corrosion, and electrochemical noise. This volume contains contributions from international experts, reflecting the rapid advances in the design of new improved bitumen and hydraulic bound composites, the trends in the use of waste and recycled materials and up-to-date methods of testing and evaluation.*

*Integral Waterproofing of Concrete StructuresAdvanced Protection Technologies of Concrete by Pore Blocking and LiningWoodhead Publishing*

*Alkali-Aggregate Reaction and Structural Damage to Concrete*

*Spon's Civil Engineering and Highway Works Price Book 2022*

*Historic Mortars*

*State-of-art Report*

*Proceedings of the Tenth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2020), June 28-July 2, 2020, Sapporo, Japan*

*Advanced Protection Technologies of Concrete by Pore Blocking and Lining*

Each number includes section: The technical press index.

SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2023 from AECOM gives a full breakdown of labour, plant and material elements, with labour rates updated. Cost guidance is given at a number of levels, varying from the more general functional costs to detailed resource costing; and in conformity with CESMM4 and the Highways Method of Measurement, and updated to the CIJC wage agreement. Use the access code inside the front cover of the book to get set up with an ebook of this 2023 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2023. ... along with the standard features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs for incidental advice: tables and formulae, technical information, professional advice updates, free of charge, twice a year - see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk)

Ensure value for money in future infrastructure projects, while surviving the current deep recession SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2013 is more than just a price book. It provides a comprehensive work manual for the UK's civil engineering, surveying and construction business. It gives costs for both general and civil engineering works and highway works, and shows a full breakdown of labour, plant and material elements, with labour rates updated in line with the latest CIJC wage agreement. Use the access code inside the back cover of the book to get set up with internet access to this 2013 edition until the end of December 2013. We now provide Spon's Online, a versatile and powerful online data viewing package, which replaces the estimating software and ebook of recent years and which is no longer supplied with the hard copy book. This 27th edition, in its easy-to-read format, incorporates a comprehensive review throughout: assumptions on overheads and profits and on preliminaries have been kept low Labour rates have been adjusted to today's rates higher oil prices have significantly pushed up the prices of coated macadam and asphalt; bitumen, resin & rubber latex flooring; and liquid applied coatings Structured to comply with CESMM3 and MMHW, the book includes prices and rates covering the key items that make a general civil or highway construction project - from bollards to built in pipes and cesspools to cycle stands. In a time when it is essential to gain 'competitive advantage' in an increasingly congested market, this price book provides instant-access cost information and is a one-stop reference. ...along with the standard features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs for incidental advice: tables and formulae, technical information, professional advice Updated, free of charge, two or three times a year - see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk) Other titles in the SPON'S Price Book Series: SPON'S EXTERNAL WORKS AND LANDSCAPE PRICE BOOK 2013 SPON'S ARCHITECTS' AND BUILDERS' PRICE BOOK 2013 SPON'S MECHANICAL AND ELECTRICAL SERVICES PRICE BOOK 2013

Factory and Industrial Management

Trademarks

Monitoring and Safety Evaluation of Existing Concrete Structures

Maintainability Of Facilities: For Building Professionals

Science and Applications

Engineering Magazine

This book describes the latest advances, innovations, and applications in the field of building design, environmental engineering and sustainability as presented by leading international researchers, engineers, architects and urban planners at the 3rd International Sustainable Buildings Symposium (ISBS), held in Dubai, UAE from 15 to 17 March 2017. It covers highly diverse topics, including smart cities, sustainable building and construction design, sustainable urban planning, infrastructure development, structural resilience under natural hazards, water and waste management, energy efficiency, climate change impacts, life cycle assessment, environmental policies, and strengthening and rehabilitation of structures. The contributions amply demonstrate that sustainable building design is key to protecting and preserving natural resources, economic growth, cultural heritage and public health. The contributions were selected by means of a rigorous peer-review process and highlight many exciting ideas that will spur novel research directions and foster multidisciplinary collaboration among different specialists.

This book presents a state of the art in mortar characterisation, experimentation with and applications of new mortars for conservation and repair of historic buildings. This volume includes the following topics: characterisation of historic mortars (methods, interpretation, application of results), development of new materials for conservation (compatibility, durability, mix designs), the history of mortar technology and fundamental experimental studies of material properties. The papers have been selected from those presented at the 3rd Historic Mortars Conference, held in Glasgow, Scotland, September 11-14th 2013. All the papers here underwent a two stage peer review process, for the conference and again for this volume. In some cases this has resulted in a revision and updating of content. Concrete is an inherently complex material to produce and an even more complex material to repair. With growing pressure to maintain the built environment, and not simply to demolish and rebuild, the need to repair concrete buildings and other structures is increasing and is expected to become of greater importance in the future.This straightforwar

Volume 1

Proceedings of the Fourth European Symposium, Bitmat4, Nottingham, UK, 11-12 April 2002

Cost Engineering for Effective Project Control

Spon's Civil Engineering and Highway Works Price Book 2023

A User's Guide and Commentary : 1993/1994 Amendments

Minutes of Proceedings of the Institution of Civil Engineers

*Planning tasks involving existing structures are currently among the most common types of contract, and almost every structure makes different demands and raises individual problems. Reflecting this state of affairs, there are a dizzying number of publications on the market, most of which are quite specialized. The Refurbishment Manual cuts through this jungle of publications. It defines terms and concepts, combines the narrowly focused perspectives of the specialists, and offers concrete approaches to this wide-ranging topic. The Refurbishment Manual closes the gap between basic constructional literature and one-sided, highly specialized technical literature. It constitutes a practical planning aid on the subject of refurbishment, providing a basic introduction to the relevant aspects of building physics, fire protection, sustainability and energy, hazardous materials, construction materials for interior and façade, historic preservation, and technical building equipment. It offers concrete tips on planning steps, methods of building analysis, and cost benchmarks, as well as clear constructional solutions with built projects as examples. A unique feature of the volume is the specially developed timeline, which allows the planner to quickly grasp, categorize, and evaluate a concrete building task and thus obtain an efficient planning overview. Planungsaufgaben im Bestand gehören derzeit zu den häufigsten Auftragsarten und nahezu jedes Bauwerk stellt andere Anforderungen und weist individuelle Probleme auf. Analog dazu gibt es auf dem Markt eine fast unüberschaubare Anzahl Publikationen in meist sehr spezialisierter Form. Der Sanierungsatlas möchte Licht in diesen Publikationsdschungel bringen: Er definiert Begrifflichkeiten, vereint die fokussierenden Betrachtungsweisen der Fachleute und vermittelt konkrete Herangehensweisen an diese weit gefächerte Thematik. Der Sanierungsatlas schließt die Lücke zwischen grundlegender Baukonstruktions- und sehr einseitig spezialisierter Fachliteratur. Das Buch stellt eine praktische Planungshilfe zum Thema Sanierung dar - und zwar in Form von relevanter Grundlagenvermittlung zu Bauphysik, Brandschutz, Nachhaltigkeits- und energetischen Aspekten, Schadstoffen, Baustoffen im Innenraum und an der Fassade, zu Aspekten der Denkmalpflege ebenso wie zur technischen Gebäudeausstattung. Er liefert konkrete Hinweise zu Planungsschritten, Methoden der Bauanalyse und Kostenkennwerten sowie anschauliche Konstruktionslösungen am Beispiel gebauter Projekte. Einzigartig ist die speziell entwickelte Zeitschiene, mit deren Hilfe eine konkrete Bauaufgabe schnell erfasst, kategorisiert und bewertet werden kann - und die dem Planer somit einen effizienten Planungsüberblick verschafft.*

*This book focuses on spearheading the integration of maintainability, starting right from the design stage. To enable such integration, improving the knowledge of maintainability and setting maintainability benchmarks are two key issues. These objectives are fulfilled with the development of a comprehensive defect library, a material manual and a maintainability scoring system. These tools serve to define acceptable standards in design and construction practices, thus enhancing long-term maintainability of facilities.Maintainability of Facilities: For Building Professionals aims to improve the standard and quality of design, construction and maintenance practices to produce efficient facilities that require minimum maintenance. The text covers technical issues related to maintainability of major components of a facility, and discusses the implications and selection of materials for high maintainability.The target readers are practitioners and students in architecture, engineering, building, real estate, construction, project management, facilities management, quantity and building surveying.*

*Since its inception two generations ago, oculoplastic surgery has constantly evolved. What was once dogma may now be passé. Procedures that were once passé may be resurrected and utilized again. Providing simplified solutions to complex problems, Atlas of Oculoplastic and Orbital Surgery is a practical, problem-orientated guide to the management of common oculoplastic and orbital disorders. Based on Dr. Spoor's thirty years of practice, the book emphasizes the more common oculoplastic conditions likely to present to a busy ophthalmologist. The text covers upper and lower eyelid surgery and repair, orbital surgery, and the prevention and treatment of potential complications. The procedures are described with surgical photos and illustrations in a casual, didactic fashion, as a senior doctor would use instructing a resident or fellow. The book is essential reading for ophthalmologists, oculoplastic surgeons, neuro-ophthalmologists and plastic surgeons.*

Spon's Civil Engineering and Highway Works Price

Engineering Assessment, Repair and Management

Bridge Maintenance, Safety, Management, Life-Cycle Sustainability and Innovations

High-performance Construction Materials

'MICROL 2000' Waterproofing Membrane System for Use in Wet Areas

Precast Concrete Structures

Bridge Maintenance, Safety, Management, Life-Cycle Sustainability and Innovations contains lectures and papers presented at the Tenth International Conference on Bridge Maintenance, Safety and Management (IABMAS 2020), held in Sapporo, Hokkaido, Japan, April 11–15, 2021. This volume consists of a book of extended abstracts and a USB card containing the full papers of 571 contributions presented at IABMAS 2020, including the T.Y. Lin Lecture, 9 Keynote Lectures, and 561 technical papers from 40 countries. The contributions presented at IABMAS 2020 deal with the state of the art as well as emerging concepts and innovative applications related to the main aspects of maintenance, safety, management, life-cycle sustainability and technological innovations of bridges. Major topics include: advanced bridge design, construction and maintenance approaches, safety, reliability and risk evaluation, life-cycle management, life-cycle sustainability, standardization, analytical models, bridge management systems, service life prediction, maintenance and management strategies, structural health monitoring, non-destructive testing and field testing, safety, resilience, robustness and redundancy, durability enhancement, repair and rehabilitation, fatigue and corrosion, extreme loads, and application of information and computer technology and artificial intelligence for bridges, among others. This volume provides both an up-to-date overview of the field of bridge engineering and significant contributions to the process of making more rational decisions on maintenance, safety, management, life-cycle sustainability and technological innovations of bridges for the purpose of enhancing the welfare of society. The Editors hope that these Proceedings will serve as a valuable reference to all concerned with bridge structure and infrastructure systems, including engineers, researchers, academics and students from all areas of bridge engineering.

Captures real material, plant and labour costs from the UK's major live rail, civils and highways projects. SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK 2022 from AECOM gives a full breakdown of labour, plant and material elements, with labour rates updated. Cost guidance is given at a number of levels, varying from the more general functional costs to detailed resource costing; and in conformity with CESMM4 and the Highways Method of Measurement, and updated to the CIJC wage agreement. Use the access code inside the front cover of the book to get set up with an ebook of this 2022 edition on the VitalSource® Bookshelf platform, available for access and use until the end of December 2022. As well as a general update and review of prices, this edition includes extra details on output rates for tunnelling and associated works and additional prices for tunnelling works, cross passages, precast concrete tunnel linings, insitu sprayed concrete lining to tunnel walls and viaducts. ... along with the standard features you have come to expect from SPON'S CIVIL ENGINEERING AND HIGHWAY WORKS PRICE BOOK: for budgeting: estimating principles, on-cost advice, method-related charges for resource costings: labour costs, plant costs, material prices for rapid cost information: approximate estimates, dayworks, cost indices for plant and labour allowances: production rates, outputs, man hour constants for detailed pricing: unit costs with full breakdown, or specialist prices, with advice on item coverage, waste allowances and comparative costs for incidental advice: tables and formulae, technical information, professional advice updates, free of charge, twice a year – see inside for registration details. Updates are available online at [www.pricebooks.co.uk](http://www.pricebooks.co.uk)

The 200 papers in this two-volume set are a selection of work by tunnel experts from Europe, Asia, and the USA, and also showcase the work of the host nation, Turkey. As the title implies, the scope of the book is enormous, covering every aspect of tunnelling from contract management to safety. The book is of special interest to researchers, scient

Concrete Repair  
Structural Conservation  
Concrete

Manual of Contract Documents for Highway Works  
For Building Professionals

Official Gazette of the United States Patent and Trademark Office

*Infrastructure work is still declining, although there are plans to release £1.3bn worth of road network schemes over the next few years. Network rail has published plans to spend £38bn on upgrade works over the next five years. Water firms are to bring forward \$400m of work into this financial year. Spon's Civil Engineering and Highway Works Price Book 2015 from AECOM gives costs for both general and civil engineering works and highway works, and provides a full breakdown of labour, plant and material elements, with labour rates updated in line with the latest ClJC wage agreement. Beyond prices, it can be used as a comprehensive work manual for the UK's civil engineering, surveying and construction business. Use the access code inside the front cover of the book to get set up with internet access to this edition until the end of December 2015. We now provide SPON'S Online, a versatile and powerful online data viewing package, which replaces the estimating software and ebook of recent years. This 29th edition incorporates a comprehensive review throughout: Updated to come into line with the CESMM4 structure as well as MMHW And with an expanded range of rail elements*

*This book presents the latest findings on mechanical and materials engineering as applied to the design of modern engineering materials and components. The contributions cover the classical fields of mechanical, civil and materials engineering, as well as bioengineering and advanced materials processing and optimization. The materials and structures discussed can be categorized into modern steels, aluminium and titanium alloys, polymers/composite materials, biological and natural materials, material hybrids and modern nano-based materials. Analytical modelling, numerical simulation, state-of-the-art design tools and advanced experimental techniques are applied to characterize the materials' performance and to design and optimize structures in different fields of engineering applications.*

*This book describes a number of high-performance construction materials, including concrete, steel, fiber-reinforced cement, fiber-reinforced plastics, polymeric materials, geosynthetics, masonry materials and coatings. It discusses the scientific bases for the manufacture and use of these high-performance materials. Testing and application examples are also included, in particular the application of relatively new high-performance construction materials to design practice. Most books dealing with construction materials typically address traditional materials only rather than high-performance materials and, as a consequence, do not satisfy the increasing demands of today's society. On the other hand, books dealing with materials science are not engineering-oriented, with limited coverage of the application to engineering practice. This book is thus unique in reflecting the great advances made on high-performance construction materials in recent years. This book is appropriate for use as a textbook for courses in engineering materials, structural materials and civil engineering materials at the senior undergraduate and graduate levels. It is also suitable for use by practice engineers, including construction, materials, mechanical and civil engineers.*

*The Engineering Index Annual for ...*

*Underground Space Use. Analysis of the Past and Lessons for the Future, Two Volume Set*

*Uhlig's Corrosion Handbook*

*A Practical Guide*

*Spon's Civil Engineering and Highway Works Price Book 2018*

*Maintenance, Conversions, Extensions*

**Vols. 39-214 (1874/75-1921/22) have a section 2 containing "Other selected papers"; issued separately, 1923-35, as the institution's Selected engineering papers.**

**Since AAR was first identified in 1940, it has been a subject dominated by studies of the mineralogy of AAR-susceptible aggregates, the chemistry of the AAR and related reactions and laboratory tests used to diagnose AAR and predict potential future swelling. Civil and structural engineers have found the literature bewildering and difficult to appl**

**The condition assessment of aged structures is becoming a more and more important issue for civil infrastructure management systems. The continued use of existing systems is, due to environmental, economical and socio-political assets, of great significance and is growing larger every year. Thus the extent of necessary repair of damaged reinforced concrete structures is of major concern in most countries today. Monitoring techniques may have a decisive input to limit expenditures for maintenance and repair of existing structures. Modern test and measurement methods as well as computational mechanics open the door for a wide variety of monitoring applications. The need for quantitative and qualitative knowledge has led to the development and improvement of surveillance techniques, which have already found successful application in other disciplines such as medicine, physics and chemistry. The design of experimental test and measurement systems is inherently an interdisciplinary activity. The specification of the instrumentation to measure the structural response will involve the skills of civil, electrical and computer engineers. The main aim of fib Commission 5, Structural servicer life aspects, is to provide a rational procedure to obtain an optimal technical-economic performance of concrete structures in service and to ensure a feedback of experience gained to design, execution, maintenance and rehabilitation. Against this background fib Task Group 5.1 Monitoring and Safety Evaluation of Existing Concrete Structures had been established to evaluate the existing practice worldwide. The objective of this state-of-art report is to summarize the most important inspection and measuring methods, to describe the working process and to evaluate the applicability to structural monitoring. Particular emphasis is placed upon non-destructive systems, lifetime monitoring, data evaluation and safety aspects.**

**Mechanical and Materials Engineering of Modern Structure and Component Design**

**Atlas of Oculoplastic and Orbital Surgery**

**The Engineering Index**

**Proceedings of 3rd International Sustainable Buildings Symposium (ISBS 2017)**

*The 'Microl 2000' waterproofing membrane system distributed by Concrete Protection Pty Ltd (ACN 004 466 933), Burnley, Victoria is suitable for use as a waterproofing system for wet areas including shower recess bases (membrane forms a shower tray) and associated walls and floors all of which are to be tiled when the conditions listed in ABSAC technical opinion are fulfilled.*