**Road Surfacing - Sprayed Seals**

**Learning: Live Online Course**

**Investment:**
- $495.00 early bird
- $550.00 regular

Includes GST & Course Notes

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**Course Overview (2x half days) | 2020**

This practical course by live webinar is presented in two half day packages of two sessions each, with an optional workshop session. The courses focus is on sealed roads in rural environments and is ideal for project/asset managers of roads, senior supervisors, engineers and engineering technologists, working for federal, state, or local agencies, consultants and contractors.

Presented live, the course will navigate through the Austroads Guide (2018) for selection and design of sprayed seals and presents it in a logically flowing manner. It starts with a basic-level introduction to functions of a pavement and functions of a surfacing and treatment selection. The focus is then on sprayed sealing, starting with fundamental seal design theory, followed by an explanation of the Austroads design methods for primes and initial seals, single/single, double/double, low volume roads, and heavy vehicle roads. Tutorials are given on each of these topics, together with their worked examples. The differences for aerodrome runway seal designs will also be briefly introduced.

**Topics**

**PART A (Day 1)**

11.00am – 12.30pm & 1.00pm - 2.30pm (AEST)
- Functions of a Surfacing
- Surfacing Materials
- Surfacing Treatments
- Treatment Selection
- Theory of Seal Design
- Introduction to the Austroads Guide to Selection and Design of Sprayed Seals

**PART B (Day 2)**

11.00am – 12.30pm & 1.00pm - 2.30pm (AEST)
- Single/single Seal Design
- Heavy vehicles Seal Design
- Double Seal Design
- Primes & Initial Seals
- Aggregate Spreading & rolling
- Aerodrome runways – a brief introduction

WORKSHOP optional 3.00pm – 4.00pm (AEST)
- A live Q&A session

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**Primary Presenter**

**Dr Kym Neaylon** - Executive Manager (Professional Development) - CPEE

Kym’s early civil engineering career was a practical basis in open cut mining, local government engineering, state government, road construction and contract superintending before specialising in bituminous pavement surfacings for the last 30 years. Coming from a practical background, his PhD dissertation was the first in Australia in the field of sprayed sealing.

He has consulted in bituminous surfacings for most state road jurisdictions in Australia, and in New Zealand, Ethiopia and Fiji. For six years whilst at the Australian Road Research Board he project-led Austroads research projects in areas of chip sealing, bituminous binders, and skid resistance. Prior to that for 17 years he was the Surfacing Engineer with the South Australian Government. He is currently the chairman of the Australian Standards committee on bitumen and related products for road making.

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*Please refer to our website for more details on Presenters!*

Registration easily done online at [https://www.pavementeducation.edu.au/](https://www.pavementeducation.edu.au/) then ‘short courses’

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The following Austroads Guide is used as the key reference.

**Guide to Pavement Technology**
Part 4K: Seals

**Austroads Report:** AP-T310-16

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As at June 2020

www.pavementeducation.edu.au
who should attend

- State road agency and local government engineers and managers with responsibilities in the provision, approval, design, construction or maintenance of concrete roads & pavements. This to also include project managers and senior supervisors.
- Consulting engineers with involvement in road and/or pavement projects.
- Road & Pavement construction contractors, engineers, project managers and supervisors.
- Local Government engineers, project managers and senior supervisors.
- Technical operatives and Engineering graduates and “cadets” looking for specialist knowledge for career development.

CPEE professional development (CPD)

This course, with content based on the relevant CPEE postgraduate distance learning study Unit, is facilitated and delivered by recognised practitioners in the field and is of such technical content that the number of hours involved should be fully acceptable toward Continuing Professional Development (CPD) standing.

organiser & endorsements

Centre for Pavement Engineering and Education (CPEE): This course is presented by CPEE, a non-profit, specialist higher education private provider (roads, pavements & infrastructure asset management), founded by AUSTROADS and the Australian Asphalt Pavement Association (AAPA). CPEE offers Graduate Certificate, Bachelor of Engineering (Honours) and Master of Technology qualifications in roads, pavement engineering and infrastructure asset management, and has formal links to the University of Tasmania.

course size, enquiries & management

Due to its practical nature, numbers are limited for this course so it is advisable that you register quickly to avoid missing out on its unique and targeted content.

CPEE is supported by

Austroads: Austroads is the peak organisation of Australasian road transport traffic agencies. Austroads members are the Australian state and territory road transport and traffic authorities, the Department for Infrastructure, Transport, Regional Development and Local Government, the Australian Local Government Association (ALGA), and the New Zealand Transport Agency. Austroads members are collectively responsible for the management of over 900,000 kilometres of roads valued at more than $250 billion representing the single largest community asset in Australia and New Zealand.

IPWEA: The Institute of Public Works Engineering Australasia is a professional organisation providing member services and advocacy for those involved in and delivering public works and engineering services to the community. Previously known as the Institute of Municipal Engineering Australia (IMEA), the organisation has expanded its traditional local government engineering focus to public works and thereby covering all levels of government and private practice.

Pavement Recycling and Stabilisation Association (AustStab): The Australian Stabilisation Industry Association is a national organisation set up to educate and inform the civil engineering industry of the environmental and economic advantages of road recycling and all types of stabilisation. Its members are contractors, binder suppliers, government road authorities and plant manufacturers.

Roads Australia: Roads Australia is a not-for-profit, non-political industry association. Members are drawn from all corners of the Australian road sector, and we champion the interests of a vital national asset - Australia's road transport system - and provide a forum for policy development, networking and communication. Further, we seek to draw attention to the importance of Australia’s road network to the economic and social fabric of the nation, and to ensure that information and decision-making in relation to roads and road transport is well informed and reflects an appropriate level of priorities.

Australian Society for Concrete Pavements (ASCP) was formed in October 2007 to facilitate improvements in the design, construction & quality of concrete pavements in Australia through education, information and technology transfer, and research. Members enjoy many benefits including access to 'member only' areas of the ASCP web site, as well as discount on seminar and conference fee.

SRAs: State Road Agencies are responsible for the management of the road network, which includes planning, designing, construction and maintaining road use through registering vehicles, licensing drivers and traffic management, and providing information and other road user services. The SRA also provides quality assured integrated investigation, testing and design services in the pavement industry.

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Cancellation Policy:

- Cancellations made 10 working days or more prior to the events start date: Full refund.
- Cancellations within 9-5 working days of the event start date: 50% refund.
- Cancellations less than 5 working days of the events start date or after the event has started: No refund.

If you are unable to attend this event a substitute attendee may take your place, without penalty. CPEE reserves the right to cancel or reschedule any course, whereby a full refund or course transfer will be provided.