



**2011**  
**STUDY TOUR**



# *Proposal for a Southern Hemisphere Sprayed Sealing Alliance*

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**ARRB**

# Sprayed Sealing Alliance



- Background
- Why?
- How?
  - Web group
  - Organisation
- When?

# 1<sup>st</sup> International Sprayed Sealing Conference, Adelaide 2008



*Cost effective high  
performance surfacings*

SPRAYED  
SEALING  
CONFERENCE  
2008

- Workshop of invited experts convened to distil key topics and issues identified
- Global alliance within the sprayed sealing community recommended
- Web page established: [www.arob.com.au/sealing/](http://www.arob.com.au/sealing/)

# 2<sup>nd</sup> International Sprayed Sealing Conference, Melbourne 2010



*Sustaining  
Sprayed Sealing Practice*



- 240 participants from 19 countries.
- Keynote address by Mr Dennis Rossmann (South African National Roads Agency)  
*Imperatives in sustaining sprayed sealing practice.*

# Issues raised

- Technical
  - Surface preparation
  - Flushing seals
  - Extending the sealing season
  - Can't design solely in the office
  - Question the design manuals!?
  - Heavy vehicle fleet changing
  - Early failures of SBS
  - Replacing sliding plate viscometer, etc

# Issues raised

- Knowledge
  - Skills shortage
  - Training courses do exist
  - Low interest in practical application
  - Knowledge sharing

# Issues raised

- Funding
  - After health, education and welfare, what's left for roads?
  - 'ring fencing' of funding
  - Engineers inability to influence funding
  - Our networks are insufficiently maintained

# The road ahead?





# Actions from the 2<sup>nd</sup> conference

- The organising committee invited those present to meet afterwards
- 24 key representatives from New Zealand, South Africa, Australian road authorities, ARRB and AAPA attended
- Resolved: to form a southern hemisphere sprayed sealing society or association
- Aim: to coordinate resolution of sprayed sealing issues common to Australia, New Zealand and South Africa

# Sprayed Sealing Alliance

A web-based professional group has now been established

# What are web based groups?

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Sprayed Sealing Alliance



AMGIO: Argus Mideast Gulf and Indian Ocean Oil Group



Argus Asian Bitumen



European Transport Research



Pavement Preservation



Road Builders Professional Group



University of South Australia Alumni



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### Does anyone have experience with repairing isolated cape seal failures where traffic has removed the slurry surfacing and underlying chip...

posted 1 month ago

**Daniel Stys** 1 month ago • Application is on a low speed roadway with light traffic. The areas are isolated and are up to 6 inches in diameter. We know the sequencing ... »

See all 5 comments »



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### Rheobit, Rheology of Bituminous Materials, September 5-9, 2011

Rheobit returns to the University of Nottingham and the Nottingham Transportation Engineering Centre (NTEC). Nottingham is the leading ...

posted 1 month ago

**Golam Mostafa** 1 month ago • Golam likes this.

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### Better Tack, Better Bond?

Just finished reviewing a 2010 presentation on NCHRP #9-40 (National Center for Highway Research Project) regarding tack coats and ...

posted 10 months ago

**Bob Koleas** 1 month ago • The water evaporates. Even then the amount of water is so small it does not matter. (.015 liter per square meter)

See all 8 comments »





# Sprayed Sealing Alliance

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**Time for a new approach to securing reseal funding?**

The engineering arguments of maintainence because of asset preservation, and the increasing maintainence backlog of networks that are ...

posted 18 days ago

[See more »](#)



**Primer Seal - penetration or adhesion?**

In Australia, a primerseal is defined as:

**Manager's Choice**

**Time for a new approach to securing reseal funding?**

Kym Neaylon [See all »](#)

**Updates: Last 7 Days**

**Robert Urquhart** has joined the group.

4 days ago • [Send message](#)

**trevor distin, Peter Bryant** and **Mervyn Henderson** have joined the group.

9 days ago

**Stuart Dack** has joined the group.

11 days ago • [Send message](#)

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# Preliminary Business Case

for

A 'Sprayed Sealing Alliance'

Kym Neaylon  
11 July 2011



[www.arob.com.au](http://www.arob.com.au)

July 2011

# Strategic areas of interest

- Engineering and technology developments
- Training and education
- Research and development
- Environmental affairs
- Occupational health and safety
- Awareness of trends in global sprayed seal markets

# Objectives

- Facilitate international communication
- Identify world best practice
- Increase international peer review



# Benefits

- Improved business competitiveness due to access to world best practices
- Reduced costs arising from failures or rework
- Extended life-cycles from assets
- Improved reputation
- Improved sustainability of skills for the sprayed sealing industry
- Better focused research outcomes due to networking between practitioners and researchers.

# Organisational structure

## Membership

- Corporate

- ARRB, CSIR, Opus, Universities
- AAPA, SABITA, Roothing New Zealand, SAT
- AAAAAA .....aaahh!! @\$%%^
- Sprayed seal contractors

## Governance

- Board
- Costs?

# Discussion – your ideas?



# For more information

## Contact:

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