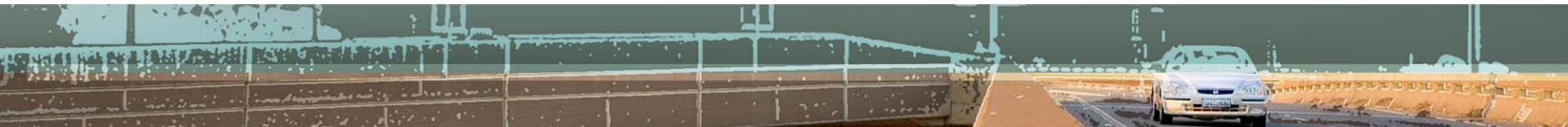


ROAD PAVEMENT FORUM

20 – 21 May 2014

“Cold” Premixed Asphalt for Patching/Pothole Repair Purposes

Dennis Rossmann



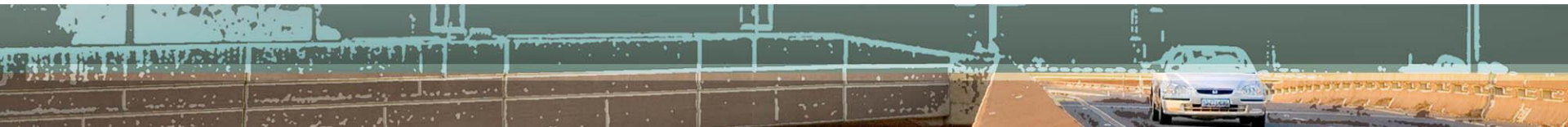
POTHOLES!

Are they an increasing phenomena???



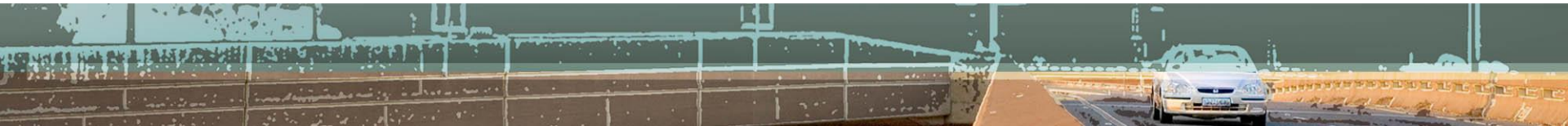
POTHOLES

- Tens of Millions Rand spent on pothole repairs annually by all Road Authorities?????
- Is this type of expenditure an “investment”?
- Is it an indictment?
- Are we getting good performance/ value for money?



PFMAA Procurement Regulations

- Fair
- Transparent
- Competitive
- Value for money
- Fit for Purpose



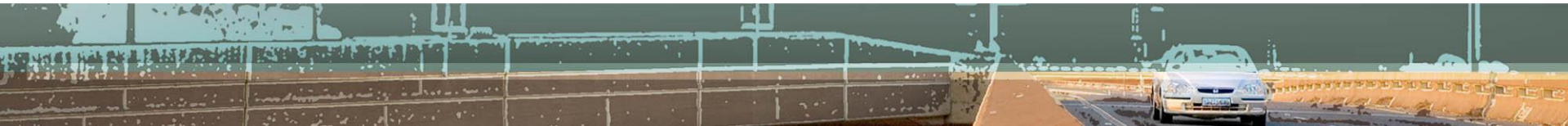
PATCHING PRODUCTS/ SYSTEMS

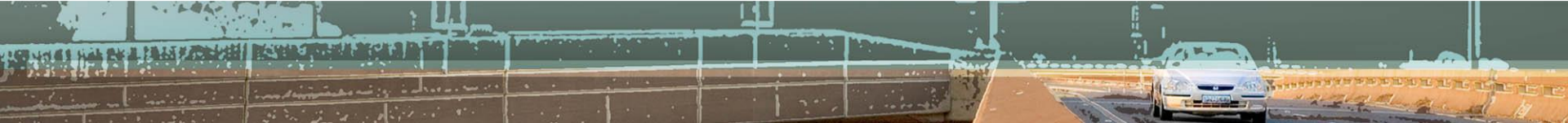
Numerous products being marketed



Reg. No. 1998/009584/06

Creating wealth through infrastructure





THICK * STRONG

TAR

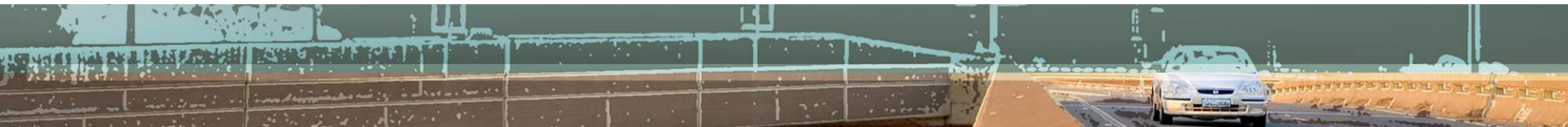
SURFACING

084 636 1770



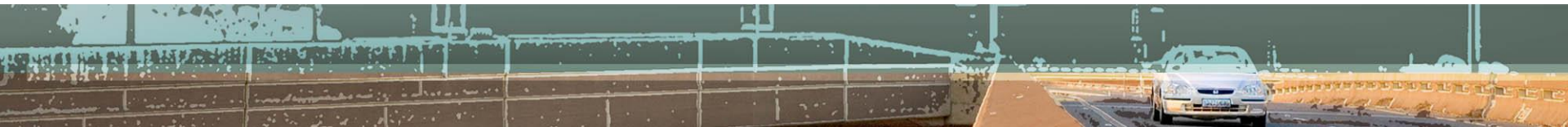


Reg. No. 1998/009584/06
Creating wealth through infrastructure



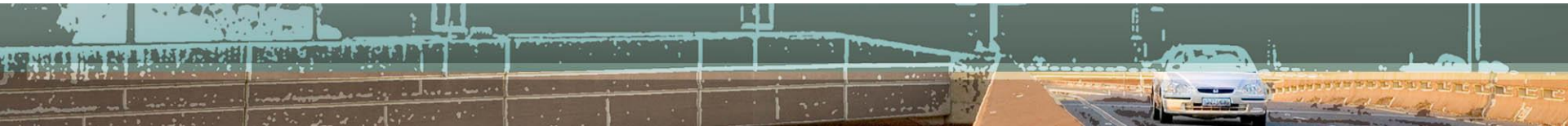
ARE ALL AVAILABLE PATCHING PRODUCTS FIT FOR PURPOSE?

- Same product/system for all pavement types??
- Same product/system for “short term” or “long term” solution
- Proprietary Products – QA systems?
- Agrément Certification?



PATCHING PRODUCTS/ SYSTEMS

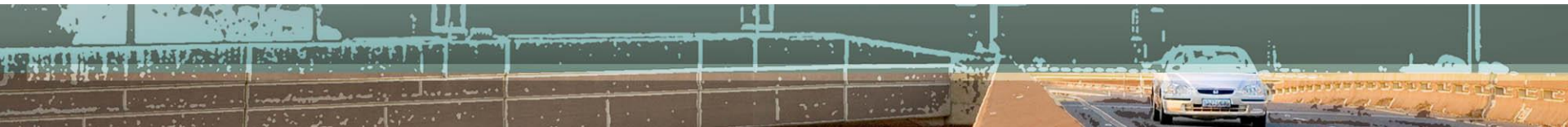
Main cause of pavement failures requiring patching—
ingress of moisture??



PATCHING PRODUCTS/ SYSTEMS

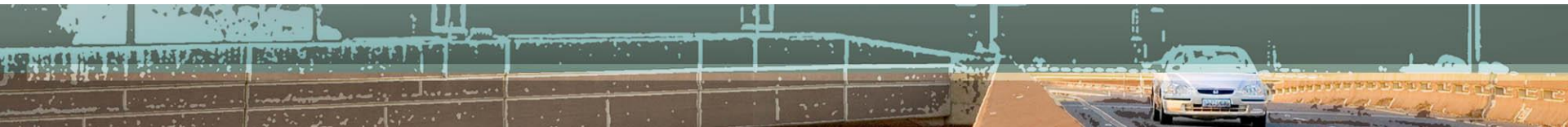
Questions to ask?

- Is it a long term repair
- Is it a short term (safety) repair – throw & go
- Is it on a shallow granular pavement
- Is it on a relatively deep bound pavement
- Is it on a “deep” patch
- Is it on a “shallow” patch (delamination)
- Does “1 cap fit all”



PATCHING PRODUCTS/ SYSTEMS

- What Specifications are being used??
- What are the more important product properties:
 - In place volumetric properties
 - Stability
 - Fatigue properties
 - Friction (PSV)
 - Compactibility
 - Permeability



Technical evaluation of Pro-phalt road repair system for Agrément SA

Restricted

Version: 1.0

Authors: E Denneman

A Maharaj

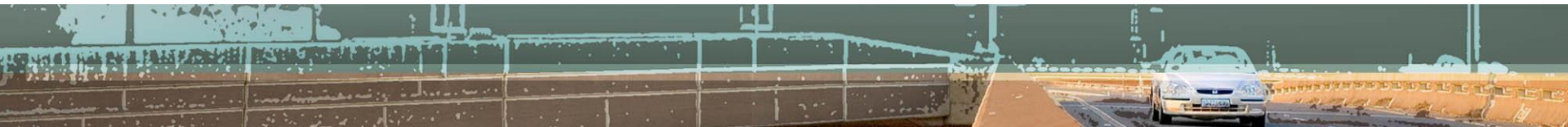
Agrément South Africa
PO Box 395
Pretoria 0001

CSIR Built Environment
PO Box 395
Pretoria 0001



CONCLUSION

What can we as an industry do to ensure that our “tax Rands” are wisely spent on these operations?



THANK YOU



Reg. No. 1998/009584/06

Creating wealth through infrastructure

