

# Stabilization Sub-committee

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P Paige-Green

Paige-Green Consulting (Pty) Ltd



# Planned tasks

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- Update chemical stabilization guide for South Africa including latest research and thoughts
- Prepare document on the use of Alternative (chemical) Stabilizers

# Current status (Task 1)

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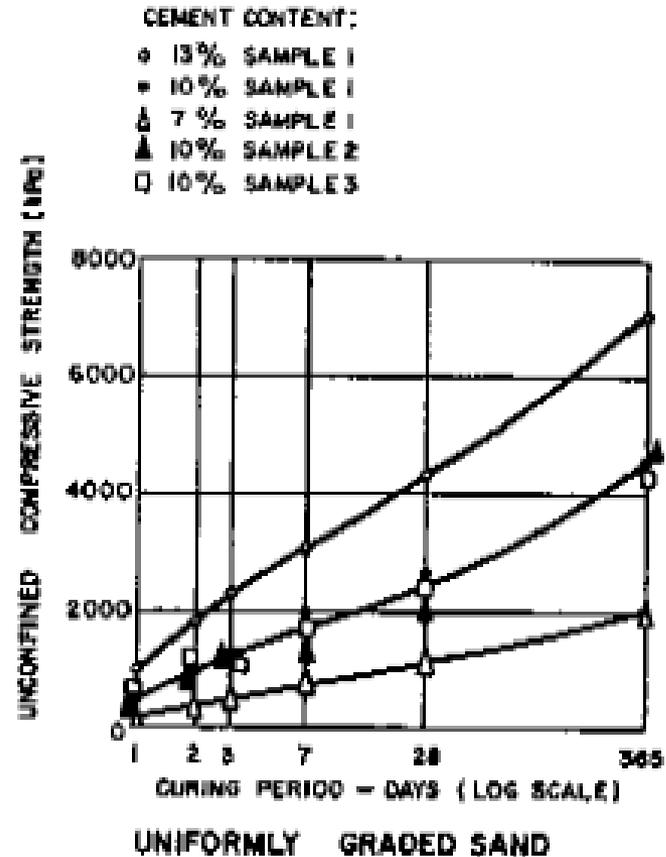
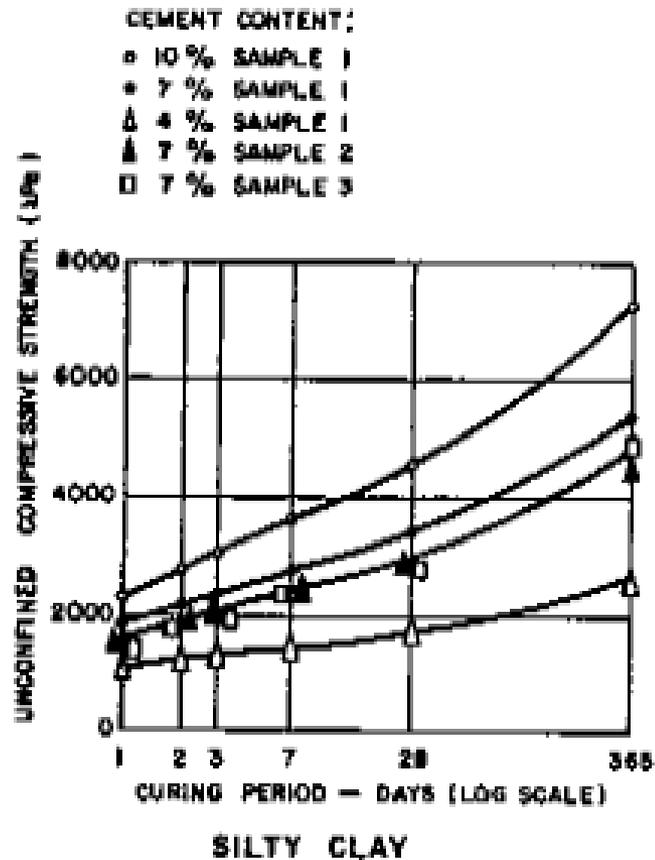
- Decision was made to prepare updated stabilization manual (basis of TRH 13 update??)
- Included project in CSIR BE PG allocation – up to end of March 2013 (sponsored by CSIR)
- Currently being finalised
  - Sponsored by Paige-Green Consulting
- Gautrans Stabilization Guide used as base document
- Remove Chap 2 (Mechanical stabilization) and Chapter 11 (Surface stabilization and fines retention on unsealed roads)

# Current status

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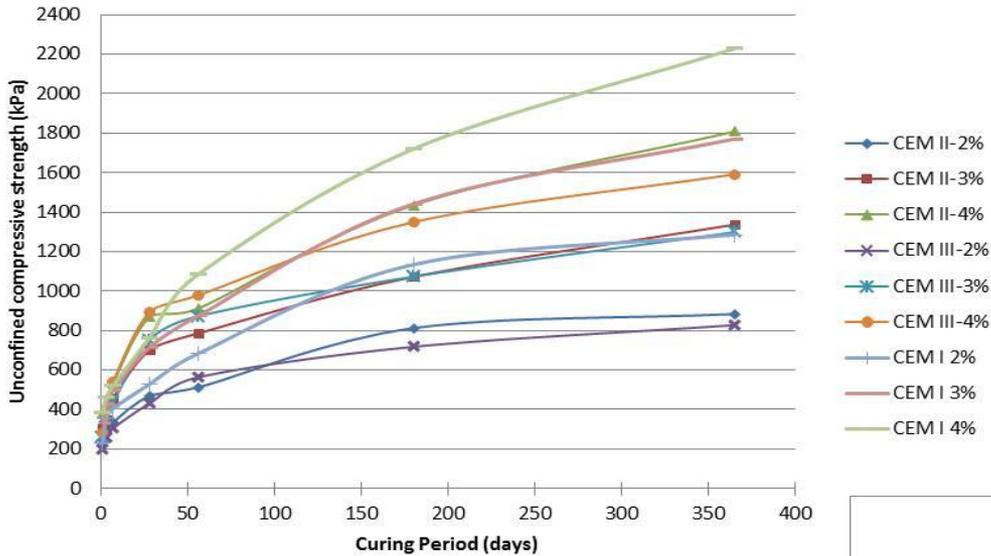
- Incorporated missing TRH 13 areas
- Incorporating other relevant information
  - Little (Texas) – lime stab
  - NCHRP MEPDM, CSIR SRP, Godzilla, etc
  - Also Australian, New Zealand, others
  - No new research specifically
    - Lots of testing with “new” cements
    - CSIR and UP mostly

# Current status

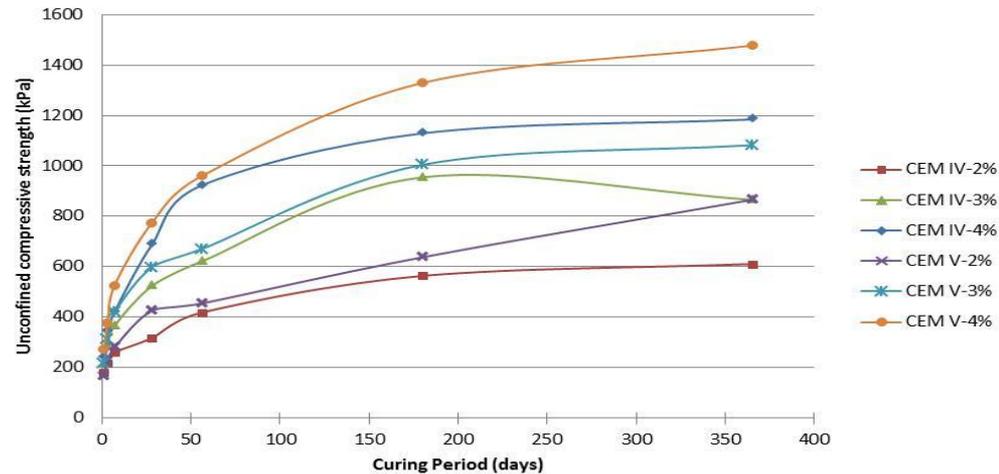


# Current status (G6 sandstone)

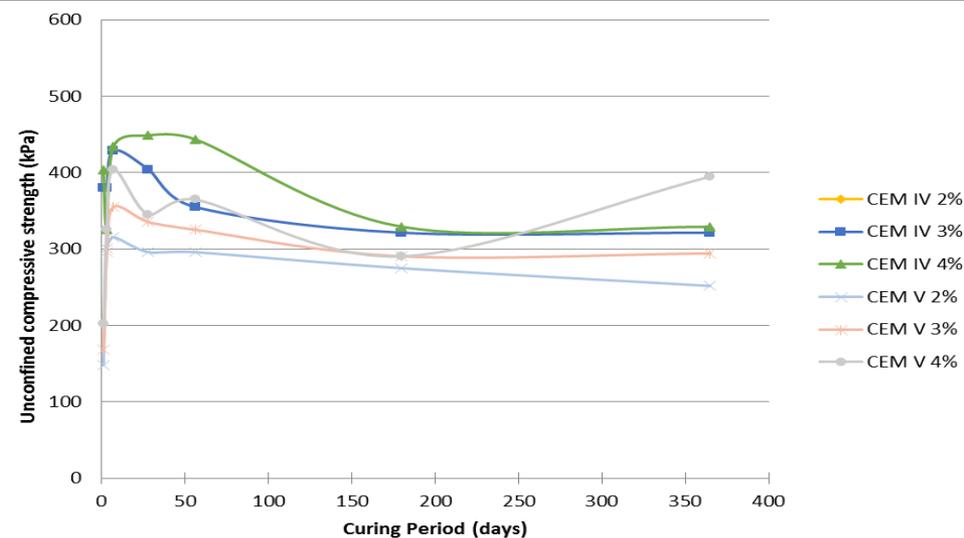
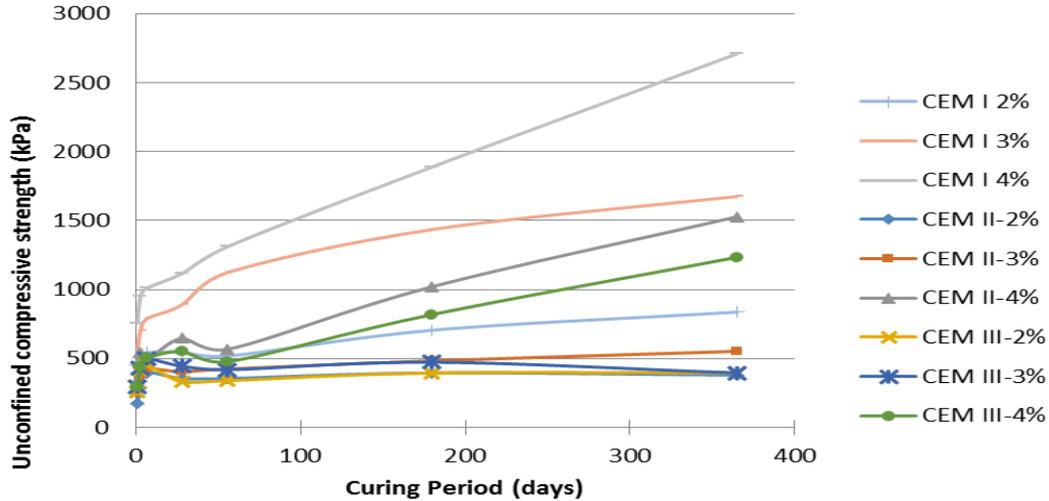
G6



G6



# Current status (G6 dolerite)



# Programme

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- Finish draft in next few days
- CSIR internal review
- Circulate to “sub-committee”
- Incorporate any comments
- “Donate” to industry as possible draft TRH13
- Take it from there !

# CHEMICAL STABILIZATION

## (Snake oils)

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- Compile existing information into a single comprehensive document (based on extended slide presentation & other published information)
- On same basis as conventional chemical stabilization
- Different “steering (review) committee”



# CHEMICAL STABILIZATION (Non-traditional)

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- Busy with it
- Majority done
- Incorporating latest overseas information

# CHEMICAL STABILIZATION (Non-traditional)

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- Contents:
  - Introduction
  - Types of stabilizer
  - Actions and processes
  - Testing
  - Standards and specifications (accreditation)
  - Construction
  - Quality assurance
  - Maintenance and rehabilitation



THE END

THANK YOU

