

Online Course Outline and Content



Saturday 21st June 2025

9h00 to 12h00

Cost: R450.00

Course Title and content:

“Application of hot mix asphalt.”

The discussion will serve to stimulate thought and action in the participant in relation to the application of hot mix asphalt (HMA) in the South African construction industry.

The session will attempt to contextualize the subject matter from a construction professional perspective.

The discussion aims to engage participants in reflective thinking and active consideration of the practical use of hot mix asphalt (HMA) in real-world applications. By exploring its properties, benefits, and potential challenges, participants will be encouraged to think critically about how HMA can be effectively implemented in various construction and maintenance projects.

Through this exchange of ideas, the session will not only broaden participants’ understanding but also inspire them to take initiative in applying this knowledge to their work. The goal is to bridge the gap between theory and practice, equipping individuals with the insight needed to make informed decisions regarding the use of hot mix asphalt in their specific contexts.

Construction of HMA

- Site and plant preparation
- Pre treatments (tack coat/priming)
- Planning paving operations
- The paver and paving operations
- Automatic level control
- The need for compaction
- Main risks to compaction
- Effects of adverse weather
- Compaction equipment and techniques
- Construction of joints

Other important general topics

- Longitudinal joints
- Transverse joints
- Factors affecting rideability
- Rolled in chips
- UTFC's
- MTV's
- Quality control
- Factors affecting rideability

Session Format:

The session is presented online to provide construction staff on outlying sites the opportunity to access the knowledge and participate.

Presentation will be via MS Teams. Ensure you have sufficient bandwidth to handle online video presentation.

Presenter

John Onreat. - MSAT (Hon), FIAT, IoCE

Independent Asphalt Professional Practitioner – with more than thirty years' experience in Asphalt manufacturing and construction.

This is a non CPD course.