



**Bitumen Materials Testing Group
RPF Feedback
The Square Boutique Hotel & Spa
Umhlanga Durban
10 May 2017**

**Herman Marais
Much Asphalt**



Content

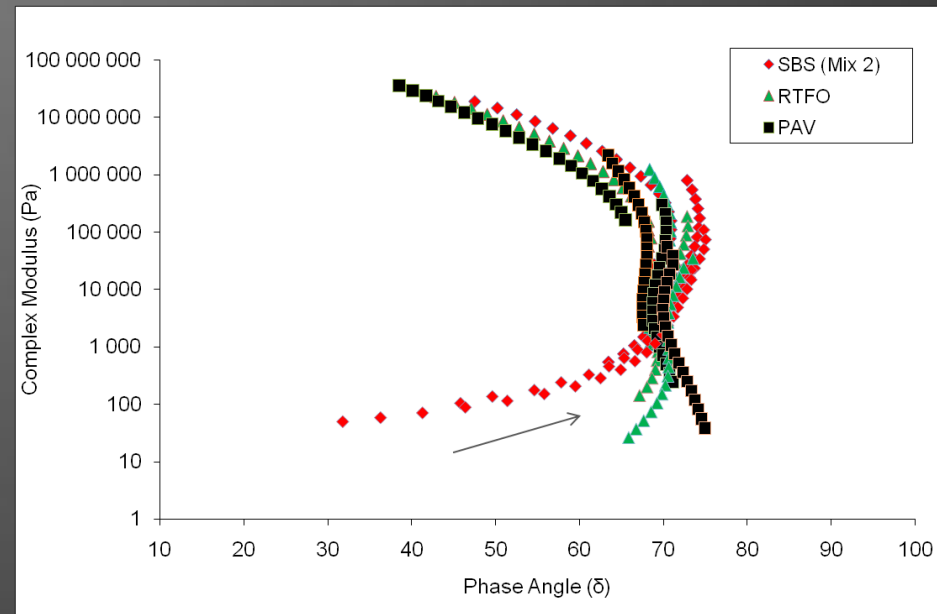
- **Background**
- **PG Binder testing**
- **TRH8 Asphalt testing**
- **TMH5 sampling methods**
- **SANS Methods up for review**

Background

- DSR Users Group
- PG Binder Testing Group
- Bitumen materials Testing Group
 - Laboratories
 - Equipment Suppliers
 - Specialists

PG Binder Testing

- Test methods and protocols
- PT Scheme
- Correlation Testing



TRH8 Asphalt testing

- Test methods and protocols
 - Gyrotory
 - Water Permeability
 - Hamburg Wheel Tracking test
 - Dynamic Modulus
 - Fatigue
- PT Scheme
- Correlation Testing



TMH5 sampling methods

- TMH 5 has been identified for review
- Sampling and Sample preparation methods to be updated – SAT seminars to help identify shortcomings



SANS Methods up for review

SANS 3001-AG

- AG2 (2009) ALD-this was reaffirmed in 2014, it is only due again in 2019
- AG10 (2012) ACV-yes this is due for reaffirmation
- AG15 (2012) Rock durability-yes this is due for reaffirmation
- AG22 (2012) -yes this is due for reaffirmation

SANS 3001-BT

- BT 11(2012) -yes this is due for reaffirmation
- BT 12 (2012) -yes this is due for reaffirmation

SANS Methods up for review

SANS 3001-GR

- GR2 (2011) Dry prep and particle size analysis-yes this is due for reaffirmation
- GR5 (2012) Wet preparation and air-drying of samples-yes this is due for reaffirmation
- GR20 (2010) Moisture content by oven-drying-this was reaffirmed in 2015, it is only due again in 2020
- GR52 (2010) Sampling and prep of cored samples-yes this is due for reaffirmation
- GR53 (2010) Unconfined compressive strength-yes this is due for reaffirmation
- GR55 (2012) Wet-dry durability – hand brushing-yes this is due for reaffirmation

SANS Methods up for review

SANS 3001-PR

- PR1 (2011) Uncertainty of measurement, repeatability, reproducibility and bias-yes this is due for reaffirmation
- PR2 (2011) Repeat, check or duplicate tests-yes this is due for reaffirmation
- PR5 (2011) Computation of soil-mortar, coarse sand ratio, GM and FM-yes this is due for reaffirmation
- PR10 (2011) Checking, handling, maintenance and verification of sieves-yes this is due for reaffirmation

SANS Methods up for review

SANS 3001-AS

- AS2 (2011) Marshall stability, flow and quotient-yes this is due for reaffirmation
- AS10 (2011) Bulk density and void content-yes this is due for reaffirmation
- AS11 (2011) Maximum void-less density-yes this is due for reaffirmation
- AS20 (2011) Soluble binder content and particle size analysis of asphalt-yes this is due for reaffirmation

SANS 3001-BT

- BT11 (2012) Texture depth measurement-yes this is due for reaffirmation
- BT12 (2012) In situ permeability (Marvil test) -yes this is due for reaffirmation

SANS Methods up for review

And also the following are due for reaffirmation:

- SANS 92, SANS 248, SANS 297, SANS 298, SANS 3012
- SANS 4001-BT2
- SANS 5838
- SANS 5848
- SANS 5850-1
- SANS 5851
- SANS 5854
- SANS 6239
- SANS 6240
- SANS 51317-1
- SANS 51317-2
- CKS 230