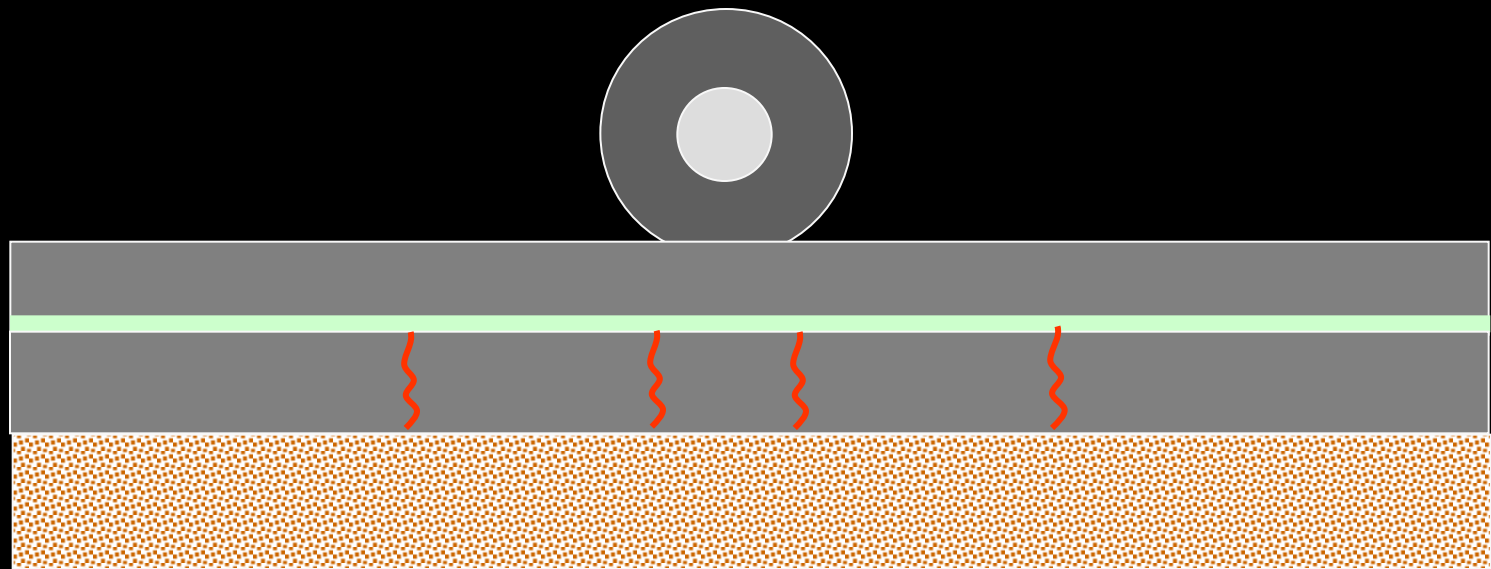


REVISION OF

TG 3 - ASPHALT REINFORCEMENT FOR ROAD CONSTRUCTION

Philip Joubert – Royal HaskoningDHV
RPF - 10 May 2017



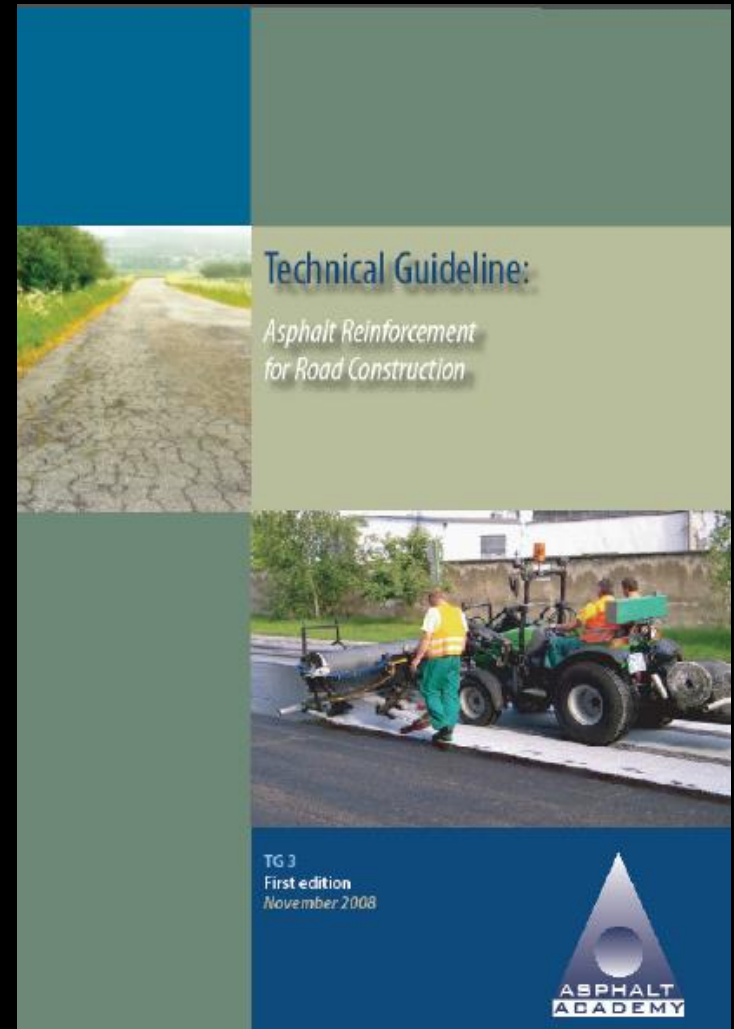
CONTENTS

- ❖ Background - TG 3
- ❖ Need for Update
- ❖ Need for Upgrade
- ❖ Working Group
- ❖ Actions



BACKGROUND

- ❖ Started off as presentation to a SAT meeting in Gauteng
- ❖ Need identified by RPF to expand to a guideline document
- ❖ A Working Group was formed
- ❖ TG 3 published by Asphalt Academy in 2008



STRUCTURE AND CONTENTS OF TG 3

1
Introduction

2
Functions and Benefits of Asphalt Reinforcement

3
Types and Selection of Reinforcement Product

4
Evaluation of Existing Pavement Condition

5
Design Methods

6
Specification Of Materials

7
Surface Preparation

8
Quality Assurance and Material Testing

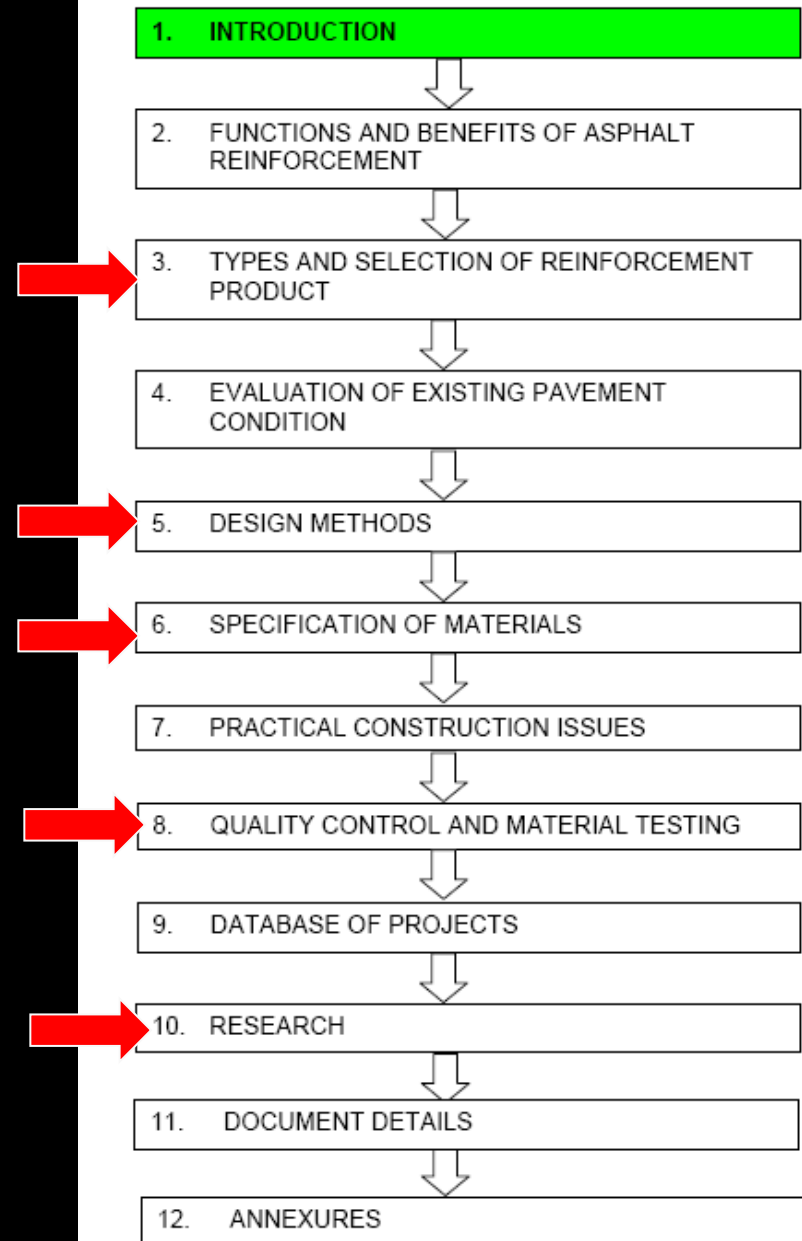
9
Database of Products

10
Research

11
Document Details

12
Annexures

NEED FOR *UPDATE*



QUESTION?

- ❖ TG3 – Only looks at reinforcement of the asphalt layer
- ❖ What about other pavement layers?

UPGRADE - SCOPE TO INCLUDE FULL PAVEMENT REINFORCEMENT

- ❖ Steering Committee recommended that new Working Group consider expanding scope to full depth pavement reinforcement.
- ❖ Scope will look at use of geogrid materials in layerworks of a pavement
- ❖ Would not include:
 - ❖ reinforced earth, or
 - ❖ fibre reinforced materials
- ❖ Focus on applications in southern African region



PURPOSE OF GUIDELINE

The main purpose of the Guideline will be to:

- provide a **synthesis** of practical, state-of-the-art approaches to the use of PRI,
- based both on **international** best practice plus **regional** knowledge and experience.
- primary goal therefore is to contribute towards a reduction in the **cost of construction/rehabilitating** and thereafter **maintaining** pavement layers,
- leading to more **sustainable** road infrastructure provision in the southern African environment.

PROPOSED WORKING GROUP

No	Name	Category	Affiliation
1.	Philip Joubert	Convenor	RHDHV
2.	Christian Mulol	Consultant / Ex-Client/ Research	
3.	Marco Pauselli	Consultant / Supplier	Drennan and Maud
4.	Garth James	Supplier	Kaytech
5.	Edoardo Zannoni	Supplier	Maccaferri
6.	Wouter van Zyl	Supplier	Geo-X (Huesker)
7.	Colin Gewanlal	Supplier	Tensar
8.	Wynand Steyn	Academia	UP
9.	Kim Jenkins	Academia	US / Netherlands
10.	Zane Babamia	Road Authority	SANRAL
11.		Contractor	

ACTIONS

- Establish Working Group
- Awareness at RFP
- First focus meeting (May)
- Please provide names if interested
- Send e-mail to: philip.joubert@rhdhv.com

