

DEPARTMENT OF PUBLIC WORKS

NO. 1167

03 NOVEMBER 2017

AGRÉMENT SOUTH AFRICA
(Approval of innovative construction products and systems)

Notice is hereby given that Agrément South Africa has, with effect from 30 March 2016, issued an Agrément certificate, details of which appear in the schedule hereto.

SCHEDULE
Agrément Certificate 2016/510

Subject: Tensa Finger RSFD Bridge Deck Joint

Certificate holder: Mageba

Description: Tensa Finger RSFD Bridge Deck Joint is a steel cantilever finger expansion joint suitable for light and heavy traffic loading, with movement range between 60 mm and 500 mm. It features noise reducing surfacing, due to the sinusoidal geometry of the interlocking fingers.

Tensa Finger RSFD Bridge Deck Joint is suitable for use on bridge deck joints where:

- the maximum movement range is as follows:
 - 60 mm – 500 mm
- the reinforcement steel is installed at a spacing of 200 mm
- the ends of the finger elements are cut at an angle of 15° with a recess of 5mm
- the maximum vertical movement is 5 mm in order to maintain good rigid quality
- joints can be delivered prepared for connection to either asphalt or concrete
- where the transversal slope is 0%, the drainage channel uses a 1.5% slope (design of the EPDM channel)
- the traffic volume is either 60 km/h, 100km/h or 130 km/h
- the finger plates are stressed into position and the bolt holes are filled with high strength epoxy resin
- the cover plates are screwed at the edge profile of the deck side and slid onto the provided space of the edge profile on the abutment side
- the drainage channel is cleaned out as per the suggested construction method (once a year in urban environments)
- noise levels range between 78dB – 87dB depending on the traffic speed
- the difference between the level of the deck and the adjacent roadway must have a minimum tolerance of ≤5 mm

The Agrément certificate contains detailed information on the product and can be accessed at <http://www.agrement.co.za>

Copies are obtainable from: Chief Executive Officer (CEO)
Agrément South Africa, P O Box 395, **PRETORIA**, 0001