

Specialised surface treatments for road pavements

Product and Supplier Registration

The Department of Transport and Main Roads (TMR) published technical specifications **MRTS111 High friction surface treatments** and **MRTS110 Coloured surface treatments** in July 2021.

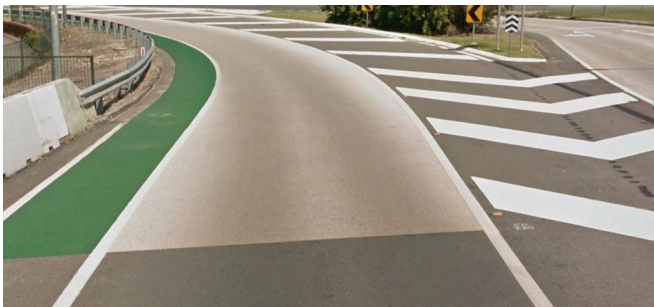
These new specifications have replaced **MRSS10A High Friction Calcined Bauxite Surfacing** and **MRSS10B Coloured Surfacing for Cycleways** supplementary specifications. MRSS10A and MRSS10B have been used for many years for high skid resistant and coloured cycleway road surfacings.

TMR currently uses the Australian Road Research Board (ARRB) Transport Infrastructure Product Evaluation Scheme (TIPES) Certified process to assess the suitability of products to be used for High Friction Surface Treatments (HFST) and Coloured Surface Treatments (CST) on the state-controlled road network. TIPES is a process aimed at providing an independent and fit-for-purpose assessment of proprietary road construction products.

What are high friction surface treatments?

HFSTs are proprietary products which provide a highly skid resistant surface for road users.

HFSTs are commonly used at signalised intersections and tight curves to provide enhanced road surface friction with the aim of improving road safety. Due to their high cost, use of this treatment is typically limited to high priority locations on the road network.



South Coast Region – Nerang Broadbeach Road

What are coloured surface treatments?

CSTs are proprietary products that consist of an inert coloured binder and a fine, uniformly graded aggregate. TMR uses CSTs to delineate areas of the road surface for road users and to supplement signage.

TMR uses this treatment for cycleways, bus lanes, threshold treatments for schools, wildlife conservation areas and township entry treatments.



Warrego Highway - Morven

Why did TMR need to create new specifications and a registered products scheme?

As HFSTs and CSTs are proprietary products/systems there are no suitable generic specifications for them. Because of this, TMR has introduced the new specifications and has also introduced an assessment and registration scheme for HFST and CST products. The new Product and Supplier register will ensure products with a history of good performance are used on TMR projects and will improve the consistency of product acceptance across TMR at a project level.

Who will it affect?

As **MRTS111** and **MRTS110** can now be used in all TMR contracts, suppliers are encouraged to submit their products for assessment and registration. On contracts that include **MRTS111** and **MRTS110** only TMR registered products/systems can be used.

How do I register my product?

As TMR currently uses the TIPES Certified process to assess the suitability of products, you will not need to independently apply to have your product registered. Any product that goes through the TIPES Certification process will be automatically included on TMR's Product and Supplier register which is typically updated monthly.

However, if you do not want your product registered please email TMRRoadSurfacings@tmr.qld.gov.au.

There are three registration levels which are based on the assessment undertaken by the TIPES Product Evaluation Panel. The level reflects the quantity of experience and the demonstrated duration of satisfactory performance.

Suppliers are encouraged to apply for TIPES Certification early as assessment through ARRB may take some time.

REGISTRATION LEVEL	INDICATIVE DESCRIPTION OF CATEGORY LEVEL REQUIREMENTS
Level 3 (Full)	Based on applicant's information and a minimum of five years satisfactory field performance under heavy traffic loading conditions
Level 2 (Interim)	Based on applicant's information and a minimum of two years satisfactory field performance under heavy traffic loading conditions
Level 1 (Trials)	Based on applicant's information and less than two years satisfactory field performance under heavy traffic loading conditions

Where can I find the list of TMR registered products?

TMR maintains a registered product list for CSTs and HFSTs [here](#) on its website. Additionally, any conditions of registration that apply to a specific product are listed on the register and must be complied with.

Where can I get more information?

For more information about TMR's registration process, and specialised surface treatments email TMRRoadSurfacings@tmr.qld.gov.au.

Assessment criteria used is detailed in the ARRB publication **TIPES – Supplement for Applicants – High Friction Surface Treatments for Department of Transport and Main Roads**, which can be downloaded from ARRB's website www.arrb.com.au/tipes.

To find out more about ARRB's TIPES submissions process and assessment email tipes@arrb.com.au.

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