

## RAILS – SBS TRANSIT & SMRT - SINGAPORE

Singapore's **MRT** (Mass Rapid Transit) infrastructure is built, operated, and managed in accordance with a hybridised quasi-nationalised regulatory framework called the New Rail Financing Framework (NRFF), in which the lines are constructed, and the assets owned by the **LTA - Land Transport Authority**, a statutory board of the **Government of Singapore**.

The **Land Transport Authority** allocates operating concessions to two for-profit private corporations, namely **SMRT** (Singapore Mass Rapid Transit) and **SBS TRANSIT** (Singapore Bus Services Transit), both of which are responsible for asset maintenance on their respective lines.

These operators also run bus and taxi services, thus facilitating the full integration of public transport services in Singapore.

Both were facing corrosion issues and started to consider **ZINGA** for the "Find & Fix Maintenance" program. After several comparative tests, they realized that it was better to adopt **ZINGA** as a Preventive Maintenance.

Under the "Find & Fix Maintenance" trials conducted since 2013 both **SMRT** and **SBS TRANSIT** have accepted that **ZINGA** was a better anti-corrosion system compared to the other coatings used.

The rails are mainly produced by **MITSUI**, **NIPPON RAILS** (Japan) and **TATA RAILS** (France).

Since 2016 and until today all the **SMRT** and **SBS TRANSIT** rails are protected with **ZINGA** as unique system.

The rails are sandblasted and coated in the workshops of **ABRACLEAN** (Singapore) under the constant supervision of **ZINGA (Singapore) Pte. Ltd.**



AUTOCOLOR  
2-Comp.

HEMPEL  
Zinc Phosphate

CROWN 7007

**ZINGA**

Result of comparative 500 hours cyclic corrosion test (acc. ISO 14993) at SIMTech Singapore laboratory.





**ZINGA®**

Asset integrity for eternity.

## REFERENCES

Ref: SG-HU-RW-TE-TP-ZU-  
SMRT & SBS TRANSIT Rails - EN  
01-10-2024

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[www.zinga.eu](http://www.zinga.eu)



Just after  
blasting SA 2.5



DFT check



DFT check



In the rail depot



### System:

Surface preparation :

Sandblasting to SA 2.5

with Rz 50-70 µm

ZINGA 2 x 60 µm DFT



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Below please find a testimonial letter from the Head of the Maintenance Unit of SBS TRANSIT.



**SBS Transit Rail Pte Ltd**  
North East Line / Sengkang-Punggol LRT  
91 Sengkang East Ave Singapore 545072

Mainline +65 6284 8866  
[contact.us@sbstransit.com.sg](mailto:contact.us@sbstransit.com.sg)  
[www.sbstransit.com.sg](http://www.sbstransit.com.sg)

Company Registration No: 201002788W

### TESTIMONIAL FOR ZINGAMETALL SINGAPORE

26 Sep 2024

To whom it may concern;

SBS Transit Rail Pte Ltd have been using ZINGA coated rails by Zingametall Singapore since year 2016, and we found their work quality and services satisfactory.

Having our rails coated with ZINGA have helped us in reducing rail corrosion. We will continue to use ZINGA coated rails.

Sincerely,

**Abdul Azeez**  
Head Maintenance Unit  
Permanent Way and Civil Structure  
Rail Engineering & Performance

For record/archive purpose.  
All outgoing letters & replies, copy to, [NELO@msbstransit.com.sg](mailto:NELO@msbstransit.com.sg)

A member of

**COMFORTDELGRO**

