

# Metro of Athens, Greece

## Floating Slabtrack CDM-DFSA



**CDM Partner**  
**Permanent Way Owner**  
**Client**  
**Consultants**  
**Typical Project Data**  
Project

**Dynacoustics**  
**Attiko Metro**  
**AKTK**  
**D2S – ETT - ATTEMKAT**  
**> 2000m<sup>2</sup> total surface**  
**Building of new underground track for Metro of Athens (lines 2 & 3: Stravos – extension)**

Type of Rail  
Axle Load  
Gauge  
**Specifications for FST**  
Condition  
Thickness  
Static Bedding Module  
Dynamic Bedding Module  
CDM Supply

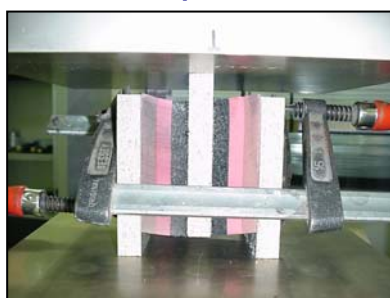
UIC 54  
140 kN  
Standard

Underground tunnel  
330 mm concrete + 25mm formwork + 37mm strip  
10 MN/m<sup>3</sup> (accepted tolerance: +/- 20%)  
15 MN/m<sup>3</sup> (accepted tolerance: +/- 20%)  
DFSA-MA-M5 (triple strips in CDM-PF & RR: 45-94-95 ) glued onto a fibercement board  
**2003 / 2004**

### Execution / Operation



The installation of the panels



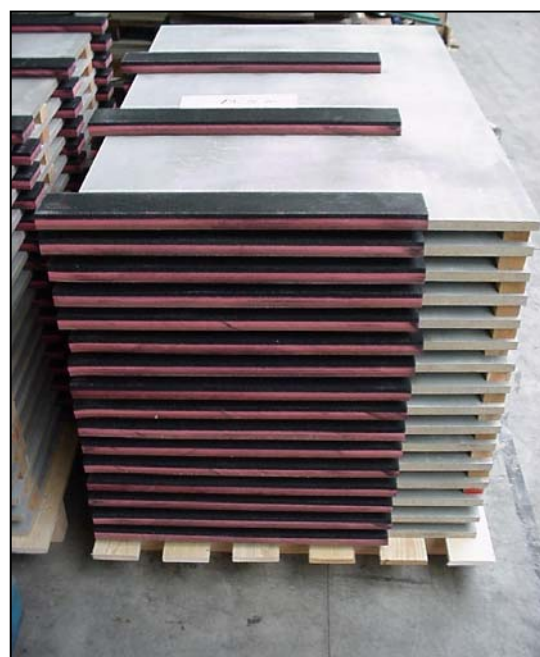
Shear test on the triple strip



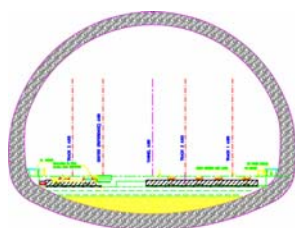
Creep test on the triple strip



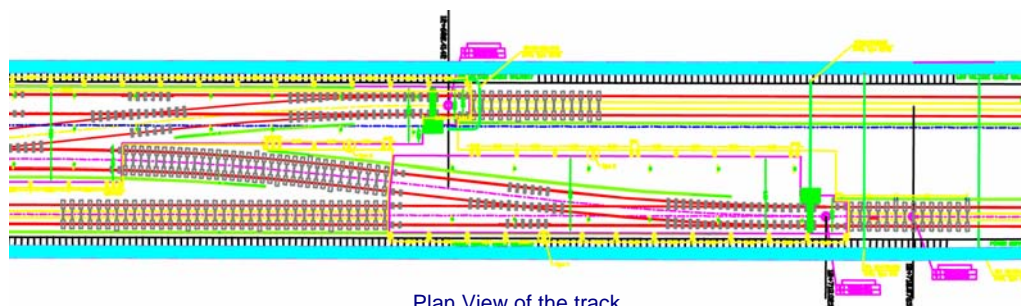
Dynamic stiffness test on the triple strip



The assembled panels, ready for packing and transporting to the site



Cross section Metro tunnel



Plan View of the track

## CASE STUDY - CDM-ISO-TRACK

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noise & vibration control

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