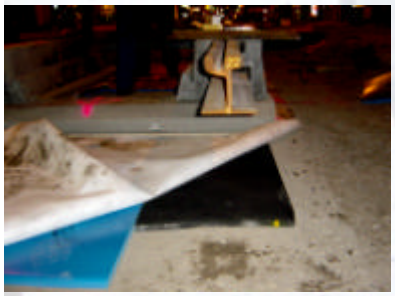
Chaussée de Charleroi - BE

Floating Slabtrack CDM-DFMA-L10

Permanent Way Owner	**STIB**
Client	**STIB**
Typical Project Data	
Project	**Renewal of tracks at the ''Chaussée de Charleroi'' (Centre of Brussels)**
Type of Rail	NP4aS
Axle Load	< 120 kN
Gauge	1435 mm
Specifications for FST	
Condition	Exterior surface
Thickness	460 mm
Static Bedding Module	> 8 MN/m³
Dynamic Bedding Module	< 20 MN/m³
CDM Supply	DFMA-L10 (CDM-PF family)
Execution	**04/2003**
Operation	**04/2003**

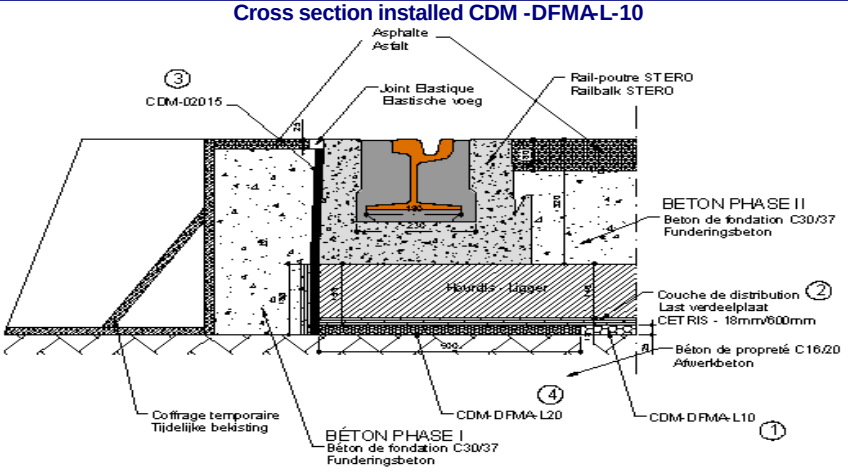
Installation on site



The Brussels Public Transport Company (MIVB/STIB) manages a tramway network covering more than 300 km of single track. Every year, a part of the network is upgraded. In order to reduce the impact on normal network operation, MIVB/STIB have stringent specifications on construction speed, low maintenance and meeting modern environmental norms regarding noise and vibration, for track infrastructure. **CDM-Prefarail track technology** meets their specifications and has been used since 1996 in the MIVB/STIB network. For the recent track-upgrading program in downtown Brussels particular attention was given to vibration control and in April 2003, CDM was asked to supply the materials and the technical assistance for the installation of a **Floating Slab track (FST) in the "Chaussée de Charleroi"**, in the heart of Brussels. The route went from the cross point "Ma Campagne" to the "Place Paul Emile Janson" and **included 330 metres of double tramway track**. In three weekends the whole project was finished.

The supplied CDM materials consisted of a **horizontal as well as a vertical elastic carpet**. The isolation was supplied in combination with a lost formwork, which was needed for the pouring of the concrete for the FST.

Cross section installed CDM -DFMA-L-10



CASE STUDY - CDM-ISO-TRACK

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