

Muscat City Centre Mall bridge (Oman)



Project description

Muscat City Centre Mall is the largest shopping mall in the Sultanate of Oman, first opened in October 2001. In 2007, a 16-month expansion project was completed, increasing gross leasable area to approx. 60,000 square meters.

The expansion involved the construction of a 4-lane bridge to provide access to the mall's multi-storey car park. The bridge was constructed with only minimal traffic diversions required. After the construction has finished, it became a landmark for Oman's safe construction methods.

mageba scope

The TENSA®GRIP type RS-A80 expansion joint represented the optimal solution to the bridge's small movement needs of up to 80 mm. The joint consists entirely of robust steel profiles, securely anchored to the bridge at each side of the movement gap, and a tough elastomeric sealing profile between them. These joints maximise the use of pure steel, without any moving or sliding parts, making them very strong, durable and low-maintenance. The bridge designer's very particular demands for the detailing of the steel edge profiles could also be satisfied.

Highlights & facts

mageba products:

Type: TENSA®GRIP single gap expansion joint (RS-A80)
Installed: 2006

Structure:

City: Muscat
Country: Oman
Completed: 2006
Type: Highway bridge
Length: 17.9 m
Consultant: Parsons International
Contractor: Carillion Alawi L.L.C.
Owner: Majid Al Futtaim Group

The bridge is located near Muscat International Airport and the capital of the Sultanate of Oman



The TENSA®GRIP joint of type RS is ideal for small longitudinal movements



The joint's robust design and strong anchorages make it very durable, even under heavy traffic

