

Case Study - Regupol PUR Structural Isolation



Tay Road Bridge

Client	Tay Road Bridge, Scotland
Contractor	William A Fairhurst
Area	5,000 linear metres

In brief

Regupol PUR elastomeric material was installed to reduce road induced structural vibrations on a concrete walkway and cycleway at Tay Road Bridge, Scotland.

Project scope

Tay Road Bridge is 2,250 metres long and spans the estuary of the River Tay between Dundee and Newport on Tay. It comprises dual carriageways of 6.7 metres in width with a three metre wide walkway and cycleway.

To minimise the risk of vibration damage from passing traffic on the dual carriageway, it was necessary to treat the Tay Road Bridge walkway with an appropriate anti vibration material.

Regupol PUR elastomeric bearing strips were installed beneath the walkway, on top of the existing concrete base. The Regupol PUR strips were bonded in-situ using Keraflex adhesive.

Designed with a heavy load bearing capacity, Regupol PUR bearing strips prevent subsequent wear between the existing and new solid substrate. In addition, the material reduces the effects of vibration, thus creating a comfortable surface to walk or cycle over.

Benefits

- Highly elastic PUR rubber granulate strip / sheet
- Excellent dampening and isolation characteristics
- Quick and easy to install
- Can withstand loads of up to 15,000kg/m²
- Cost effective
- Standard material thickness of 15mm
- Environmentally friendly and sustainable



**Regupol PUR strips
reduced the wear and
effects of vibration at
Tay Road Bridge**



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