

BEARING BODYGARDE™



FREYSSINET
SUSTAINABLE TECHNOLOGY

- Improves whole life of bearings
- Effective protection
- Water resistant
- Bespoke

FREYSSICARE SOLUTIONS

Aim

To protect a bridge bearing from water, dust, salt and debris which can result in the degradation of the component.



Bearing Bodygarde™

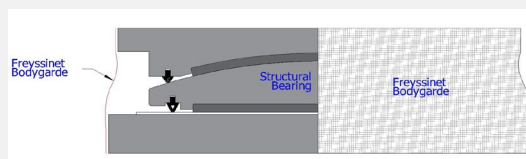
Description

The **Bearing Bodygarde™** is an effective encapsulation cover which protects the bearing from external elements.

Custom-designed and made to suit all bearing types and sizes. Made from materials specially selected to suit the application.

Benefits

- Water resistant
- Protects the bearing from water, salt and contaminants
- Improves whole life of bearings when installed correctly
- Made from innovative, breathable material
- Easy to remove/replace during bearing inspections
- Custom-designed and made to fit all bearing types and sizes
- Economic
- Fire protection option available
- Suitable for other bridge components



Bodygarde™ - Freyssinet product Patent Pending

PROTECTION – PREVENTION - ENHANCEMENT

Freyssicare accessories are designed to enhance and extend the life of bridge components, such as bearings and expansion joints. The Freyssicare collection offers effective protection to such components by shielding or diverting rainwater and airborne contaminants, the main cause of corrosion.

FREYSSICARE BEARING BODYGARDE™



The **Bodygarde™** is designed to accommodate movement of the bearing without compromising its effectiveness. The intelligent cover protects the bearing from water, dust and salt, while its hi-tech breathable material allows airflow, so the bearing is kept clean and dry but still accessible for inspections.

Installation is straightforward and the attachment mechanisms are secure and weather resistant. They are easy to remove when required for bearing inspections or replacement. The clever design also allows for the inclusion of internal or external pockets to hold temperature and humidity monitoring equipment so the conditions affecting the bearing can be analysed.

SPECIFICATION

- Bodygarde™ shall be water resistant, breathable and fixed utilising an easy release system of straps.
- Bodygarde™ will have a waterproof opening mechanism which will allow easy access to the bearing inside.
- Bodygarde™ will provide an optional system internally to allow the installation of internal monitoring or the use of drying crystals.
- Bodygarde™ shall provide an anti-sag system, allowing normal movement of the structure without substantive interference.
- Bodygarde™ will allow for sealing where possible at the top and bottom surfaces of the bearing arrangement.

TESTING

Bodygarde™ has been through a number of tests, including independent examination.

- High velocity wind test (up to 80Mph) and water tests utilising the CWCT methods.
- Tensile strength Warp tested to BS EN ISO 1421:1998
- Coating adhesion according to BS EN ISO 2411:2000
- Hydrostatic head test to BS 3424-26:1990: Method 29A
- Breathability (MVPI%) to BS 7209:1990: Appendix B