

BURDEKIN RIVER BRIDGE – AUSTRALIA

The **Burdekin Bridge** (known as the Silver Link) spans the Burdekin River between the towns of Ayr and Home Hill, Queensland, Australia. Located on the Bruce Highway which is part of Highway 1, it is an important link in the national road network.

It is a road-rail bridge which provides a high flood immunity link between north and south Queensland. The Bridge was completed in 1957. Construction began 10 years earlier in 1947. 1103 meters in length, it is one of the longest multi-span bridges in Australia.



ZINGA has been used since 2005 for patch repair. During 2010 and 2011 the areas below the bridge, of the 22 approach spans, have been protected with **ZINGA**.



System:

ZINGA

2 x 60 µm DFT

Early 2013, the road support structures were coated with **ZINGA**, specified with a class Sa 2½ abrasive blast clean, followed by 2 coats of **ZINGA** to an average dry film thickness of 180 µm.

The coating system for the rail support structure required a decorative silver finish, and the coating system was therefore as described but incorporated a coat of **ALU ZM**. A dry film thickness of 40 µm was specified.



Before ALU ZM application



After ALU ZM application



Before ALU ZM application



After ALU ZM application



System:

ZINGA	2 x 90 µm DFT
or	
ZINGA	2 x 60 µm DFT
Alu ZM	1 x 40 µm DFT