

Product: Wirand® Steel Fibres

MACCAFERRI WINS FIBRE SUPPLY CONTRACT

Maccaferri Australia has successfully moved into the concrete steel fibre market securing the high profile project, Adelaide Desalination Plant, being constructed by the AdelaideAqua consortium for SA Water.

Maccaferri has been one of the leading manufacturers of concrete fibres in Europe for many years and this is the first project in Australia to use Wirand® unique fibres.

The uniqueness of the fibres is the essential element in their acceptability. These unique characteristics are the “openness” of the hooked ends as well as their length, which is shorter than all other fibres in the Australian market. These two properties combine to produce better performance and easier finishing of the concrete elements or surface. The shorter length of the fibres also has the advantage of providing more fibres per kilo in the concrete mix thereby assisting with the overall performance of the concrete.

After 3 months of intensive and rigorous testing the above qualities led to Maccaferri Wirand® Fibres being selected due to the outstanding test results achieved. Maccaferri was also able to provide excellent cost savings to the project through the high performance quality of Wirand® Steel Fibres and the unique dosing equipment.

Maccaferri Australia is supplying Wirand® FF3 Fibres for the pre-cast tunnel segments and Wirand® FS3N Fibres for permanent shotcrete lining. The performance of the fibres is important in view of the fact that the pre-cast units are being manufactured in Bendigo and being transported to Adelaide. There are also extreme forces placed on the elements by the TBM during installation.

The common concern when offering singular fibres is the possibility of concrete balling. Maccaferri Australia has also introduced a unique fibre blowing machine to the Australian market which virtually eliminates fibre “balling”.

In conjunction with the fibre blowing machine, Maccaferri offers systems that will allow you to measure the fibres by weight accurately with little impact to the concrete batching process.

Maccaferri Australia calls on its worldwide experience in this market, as well as their local concrete technology knowledge to deliver cost effective solutions to all future tunnelling, flooring and shotcrete designs.

For any further information regarding this product and its applications please contact Brad Boardman at bradboardman@maccaferri.com.au and on mobile: 0405 393 995.



Pouring segment in Bendigo



Shotcreting in Adelaide



Doso Dispenser



Doso Blower