

# DRAMIX A WATER TIGHT SOLUTION FOR PERTH'S NEW CHILDRENS HOSPITAL

DRAMIX COMBI SHOTCRETE SOLUTION FOR N.C.H.

BOSFA were approached to offer a design solution for the shotcrete covering the contiguous piles surrounding the New Children's Hospital in Perth Western Australia. A State Government project constructed by the John Holland Group. The design requirement was for a design crack width of 0.2mm being achieved using Bekaert®'s proprietary design software. The solution uses a std mesh and a dose rate of Dramix fibres to achieve the desired crack width. With approximately 5Klm of shotcrete the design has proved to be a very cost effective design solution.

## Technical solution

- Design Crack width
- Dramix 35mm long fibres
- Off the shelf mesh
- 32MPa Concrete

## Benefits

Due to the piles in some areas being under ground water, the combi shotcrete was proposed to limit the crack width, the aim to limit the amount of water ingress between the piles.

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