COLETANCHE

BITUMINOUS GEOMEMBRANE FOR ENVIRONMENTAL PROTECTION AND LANDFILL CAPPINGS

INTRODUCTION

Due to their puncture strength and robustness, Coletanche BGMs have traditionally been used on a wide range of environmental protection projects including:

capping of contaminated waste,

management of mine process water and

containment of tailings etc.

Now the use of Coletanche in landfill capping projects (with the presence of methane gas) is expanding rapidly with the introduction of Hot Air Welding Machines in place of the traditional gas torch for seam bonding. In Australia a number of landfill capping projects have been successfully completed and there are more that are about to commence as follows:

Hervey Range Landfill Cap – Completed 2021 ,

Hinchinbrook Landfill Cap – Completed 2021

Noosaville Landfill Cap – Starting 2022

Petrie Landfill Cap – Starting 2022

Hervey Range Landfill Cap – Completed 2021

- This Coletanche project in Australia was the first project in the world to use hot air electric welding machines on a bituminous geomembrane (BGM) for a landfill cap.
- Over 50,000m2 of Coletanche ES2 was very successfully installed with 2 simultaneous welders
- Safe and effective welding in the presence of methane gas
- Designer: Golder Associates

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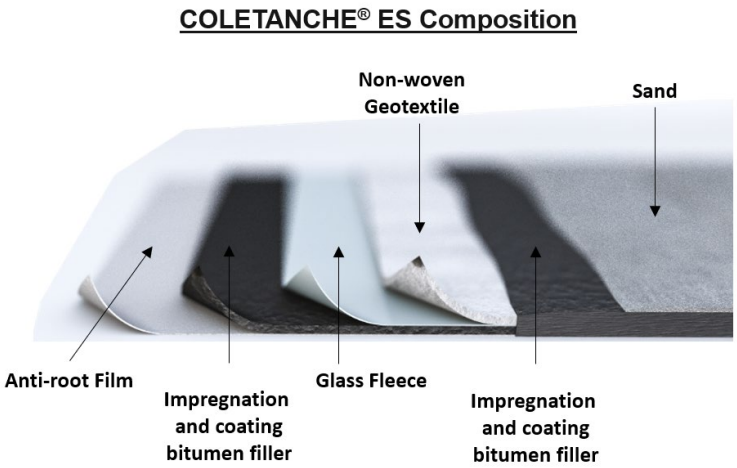
Hinchinbrook Landfill Cap – Completed 2021

- Over 29,000m2 of Coletanche ES2 installed
- Designer: GHD



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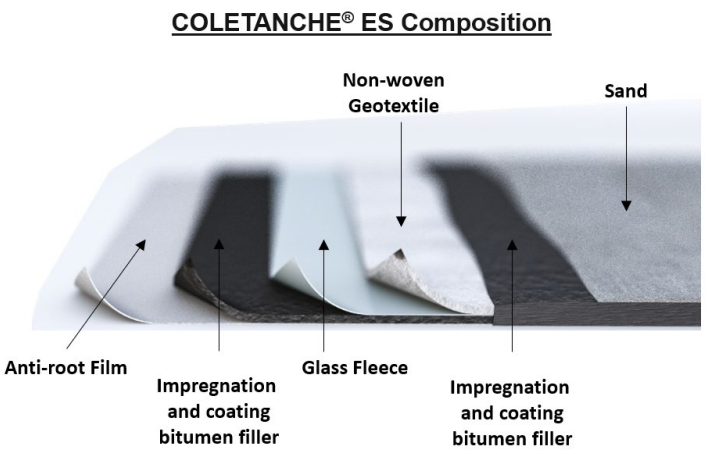
Noosaville Landfill Cap – Starting 2022

- **Designed with over 35,000m2 of Coletanche ES3**
- **Designer: ATC Williams**



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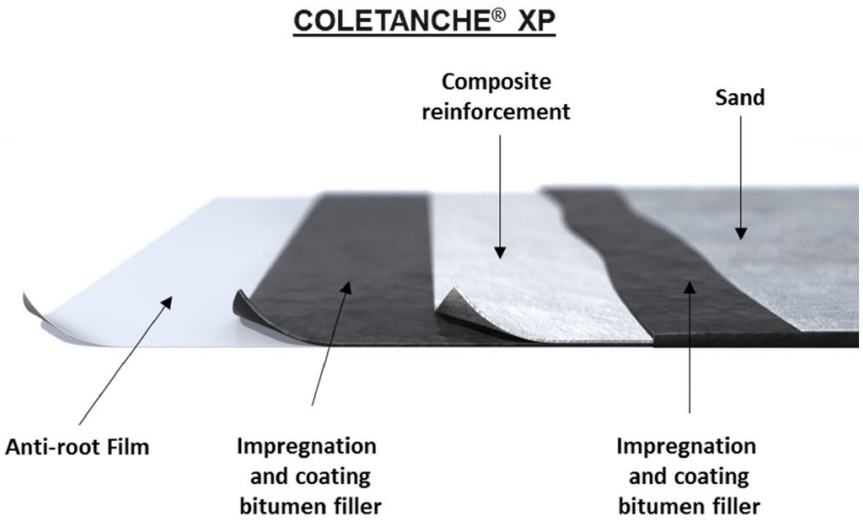
Petrie Landfill Cap – Starting 2022

- **Designed with over 100,000m2 of Coletanche XP4**
- **Designer: ATC Williams**



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