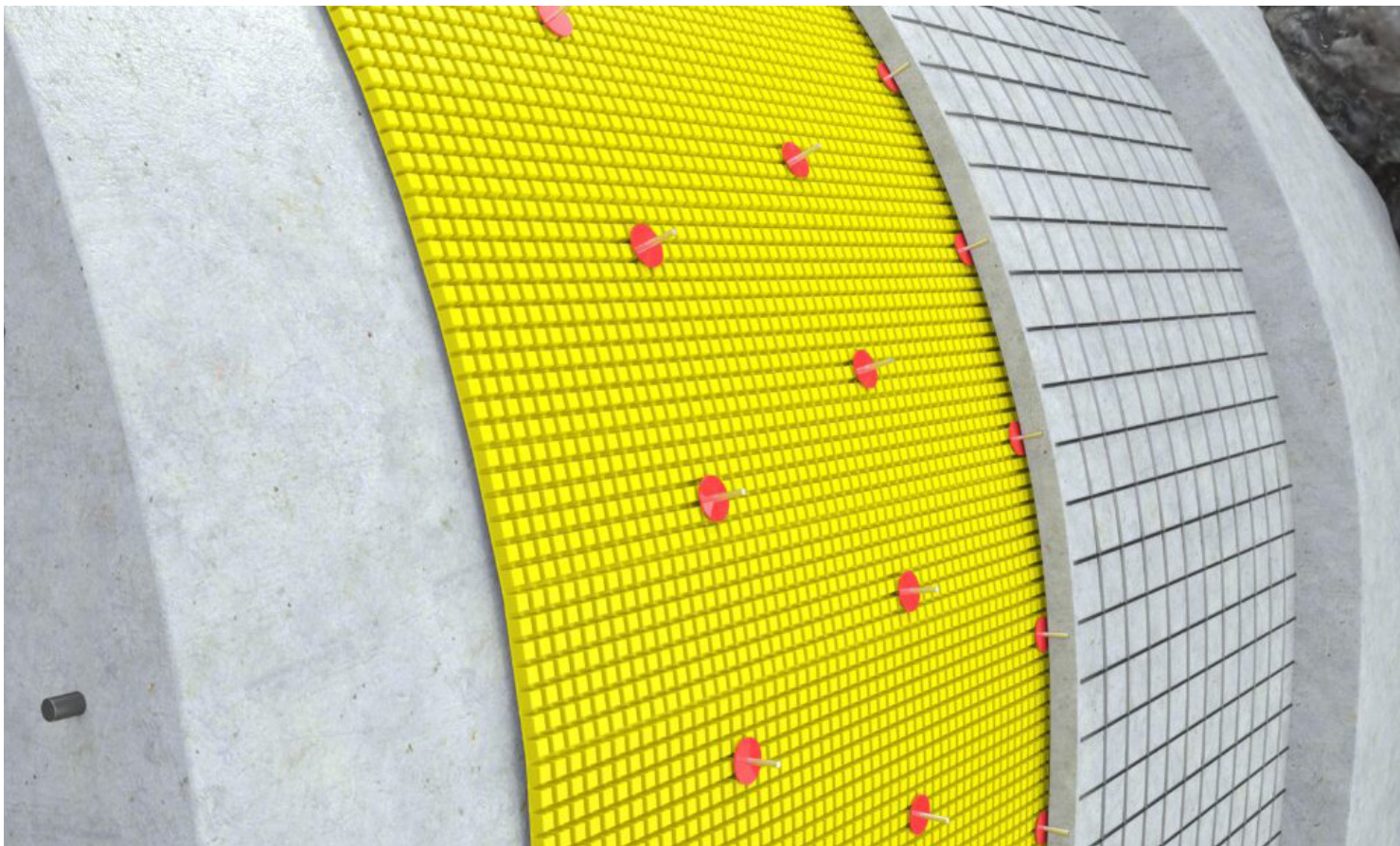


Cavidrain® Liner

Combined Drainage and Waterproofing Liner

Specifically Designed to be Highly Flexible to Accomodate the Contours of the Excavated Tunnels



Product Information

Cavidrain® Liner is a combined drainage and waterproofing liner that is welded to form an integral waterproof system. The sheets are easily fixed to the smoothed excavated walls with a sealed fixing detail and the system is finished with shotcrete.

Applications

- New tunnel construction
- Repair of existing tunnels
- Highway tunnels
- Railway tunnels
- NATM constructed tunnels
- Drill and blast tunnels
- Metro underground stations
- Cable tunnels
- TBM tunnels

Cavidrain® Liner

Benefits

- Simplified tunnel lining system
- Materials & labour cost reduction
- Reduced installation requirements
- Improved drainage capacity
- Minimised damage caused by mineral calcification

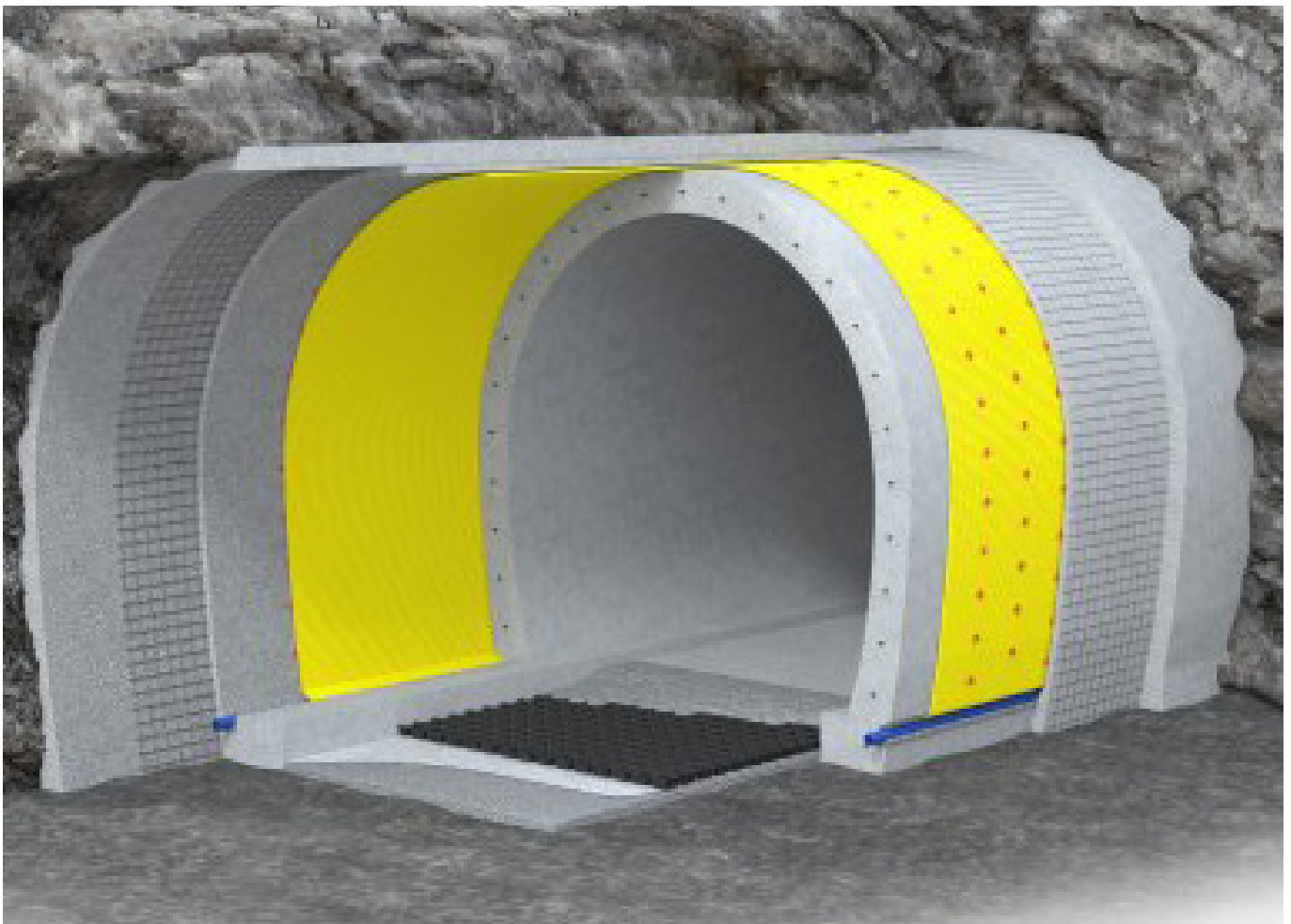


Methods

Traditional methods of groundwater exclusion are difficult to install with any degree of reliability in modern tunnel constructions. Cavidrain® Liner provides a drainage layer that collects infiltration water from the excavated tunnel face, while also acting as the waterproofing function.

In typical installations, Cavidrain® Liner is fixed to the smoothed, excavated face of the tunnel with rondels and covered with shotcrete. Shotcrete can be sprayed directly to Cavidrain® Liner to create the surface finish, offering 20% less rebound loss than a smooth PVC liner.

Cavidrain® Liner being LLDPE is highly flexible and acts to minimise the build-up of hydrostatic pressure, thus protecting and enhancing the integrity of the tunnel.



About Us

Leaders in Geosynthetics

Global Synthetics is a 100% Australian-owned company, proud to offer a complete range of high-quality geosynthetic products backed by over 200 years of combined staff experience in the industry.

We have supplied products to some of the largest recent infrastructure works in Australia. Global Synthetics provides major benefits to any geotechnical engineering project with the right products and our technical expertise.

Global Synthetics products are used in the following applications:

- Pavement Stabilisation
- Ground Improvement
- Soil Reinforcement and Retaining Structures
- Water Management
- Drainage Systems & Hydraulic Works
- Landfills
- Coastal Erosion Structures

Get in Touch

AUSTRALIA

Website

globalsynthetics.com.au

Email

info@globalsynthetics.com.au

New South Wales

(02) 9725 4321

Victoria/Tasmania

(03) 9791 1772

Queensland

(07) 3865 7000

South Australia

(08) 8384 8894

Western Australia

(08) 9459 4300

NEW ZEALAND

Website

globalsynthetics.co.nz

Email

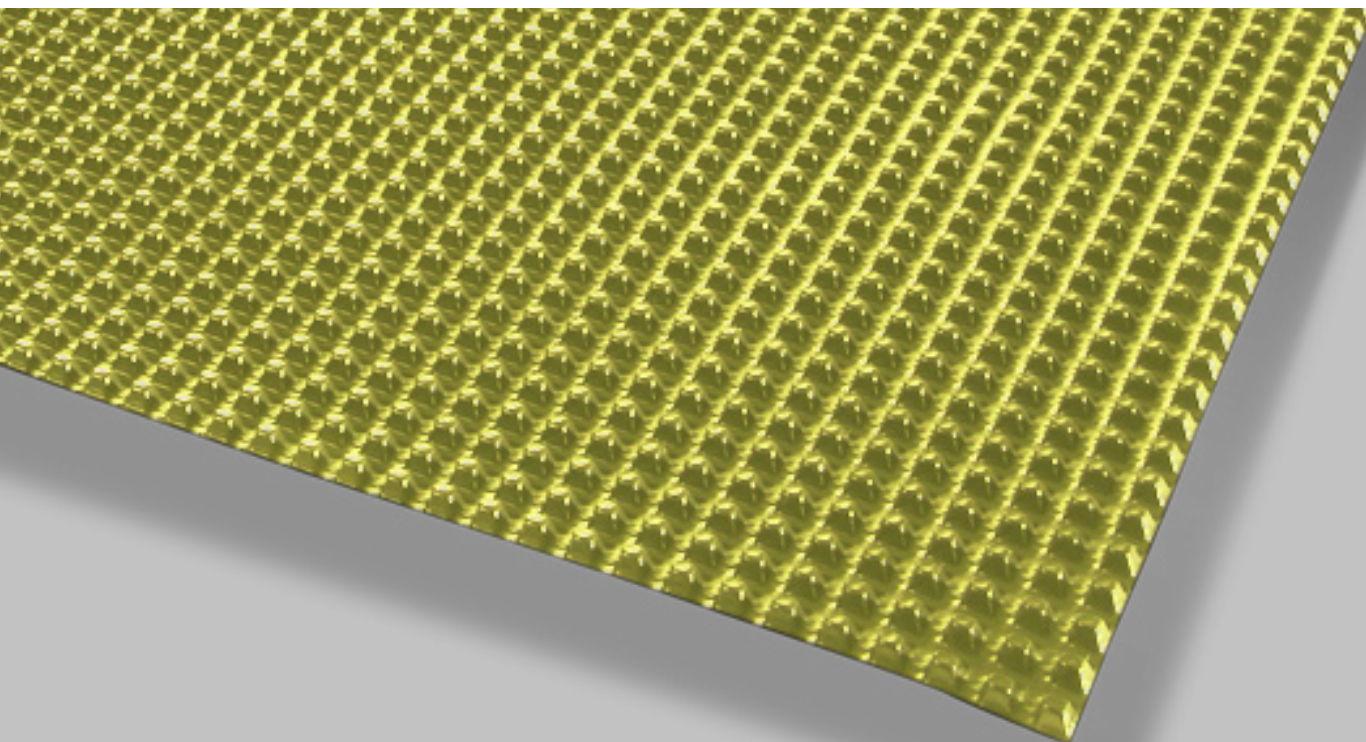
info@globalsynthetic.com.nz

Auckland

0800 510 120

Christchurch

0800 510 120



All information provided in this publication is correct to the best knowledge of the company and is given out in good faith. The information presented herein is intended only as a general guide to the use of such products and no liability is accepted by Global Synthetics Pty Ltd for any loss or damage however arising, which results either directly or indirectly from the use of such information. Global Synthetics Pty Ltd have a policy of continuous development so information and product specifications may change without notice.

April 2023



Global Synthetics
LEADERS IN GEOSYNTHETICS