



Waterstops & Seals

Speciality Seal Manufacture

Trelleborg Engineered Systems uses its extensive engineering skills and experiences to develop, manufacture, market and distribute engineered solutions based on polymer materials to leading customers in Australia and Global Markets.

- **Infrastructure - Rail, Road & Bridges**
- **Industrial Rubber Products**
- **Infrastructure - Water Related**
- **Marine Solutions**
- **Defence**
- **Mining**
- **Electrical**
- **Transportation**

Trelleborg Hydraulic Seals

Trelleborg Engineered Systems Australia is an ISO9001-2008 certified manufacturer, designing and manufacturing Australia's widest range of rubber hydraulic seals for all infrastructure applications such as dam gates, dam wall extensions, tunnels and concrete slab joints. These are designed to either retain water, increase storage capacity, prevent water penetration or limit contaminated run off or water table penetration.

Unlike materials such as PVC, Trelleborg rubber seals remain dimensionally stable and functionally effective over many years, handling movement and ageing far beyond the capacity of PVC. Rubber also provides superior resistance to chemical attack and heat degradation.

PTFE (Teflon) Faced and Special Seals

A recent innovation is the use of PTFE on seals to reduce the friction created by water flow thus reducing the energy required to close gates, improving the life of the seal by abrasion reduction and reducing the potential for the seal to "contact bond" to steel closure surfaces.

PTFE is available as an option on solid "Hump" and "Music Note" seals. Two types of PTFE are available, either virgin white or carbon filled black, usually 1.5mm thick. The black PTFE offers superior U.V. and rubber to PTFE bond strength.

Trelleborg can also supply seals with fabric and Kevlar® reinforcement, or made to a customer specific shape and purpose and also in purpose designed rubber compounds.

Joining and Corners

Moulded Joins and corners should be used for high tolerance seals manufactured using the moulding process. These seals provide the highest integrity solution.

We recommend all joins should be carried out in our factory using the hot vulcanising process.

On site joining can be done by Trelleborg personnel by arrangement.

Where hot vulcanising is not possible, one of our "cold vulcanising" kits should be used. These kits contain all the essential materials to make an effective joint.



Hydraulic Seal Profiles

Music Note



Hump



Double Hump



Flat



Lip



Tunnel



Waterstops



Join Sealing



Backstops



Vertical Stops

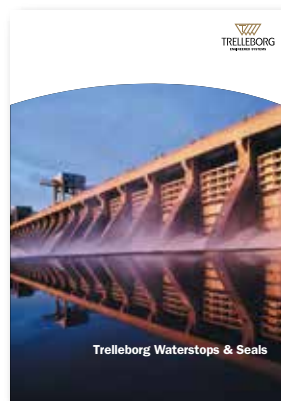
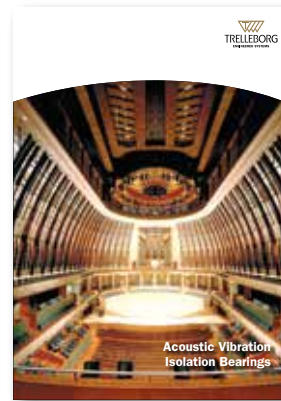


**For Detailed Technical Information -
www.trelleborg.com.au**

Search "Rubber Hydraulic Seals Technical Manual" or request a PDF copy from our sales office at +61 (0) 7 3866 7454



Other Trelleborg Products



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