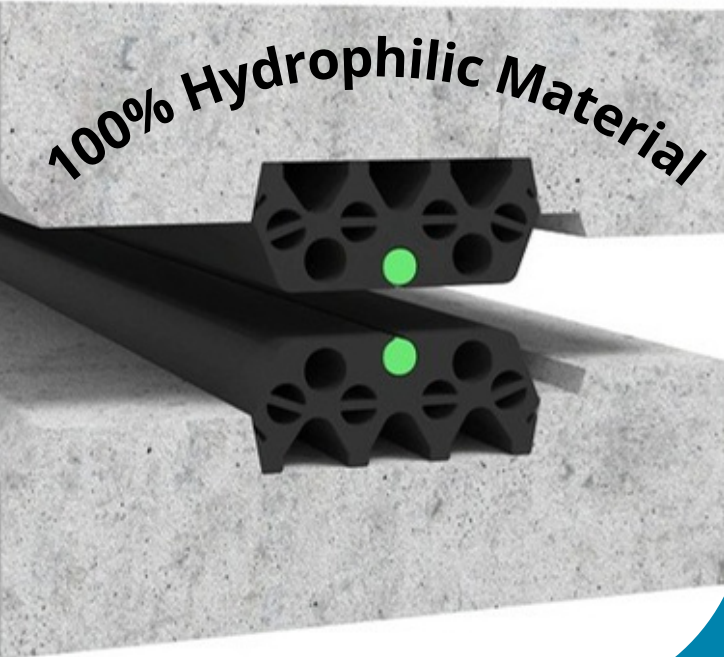
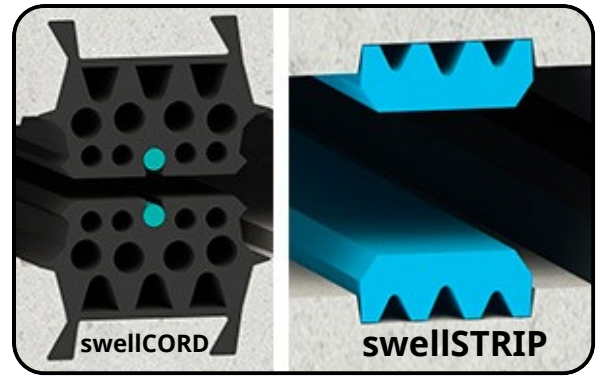




swellCORDS for TBM tunnel gaskets

swellCORDS



Hydrophilic cords for glued or anchored gaskets

In mechanized tunneling, Hydrophilic Sealing is an active waterproofing technology used primarily on precast concrete segments installed by a Tunnel Boring Machine (TBM). Unlike traditional passive rubber gaskets that rely solely on mechanical compression, hydrophilic materials absorb moisture and expand significantly in volume to fill gaps, voids, and cracks.diameter.

Key Benefits

- Swelling from 300%-850%
- Hardness Shore A 25-40 / Density g/cm³ 1.25
- Tensile Elongation at break 500%

Compensates for Joint Movement:

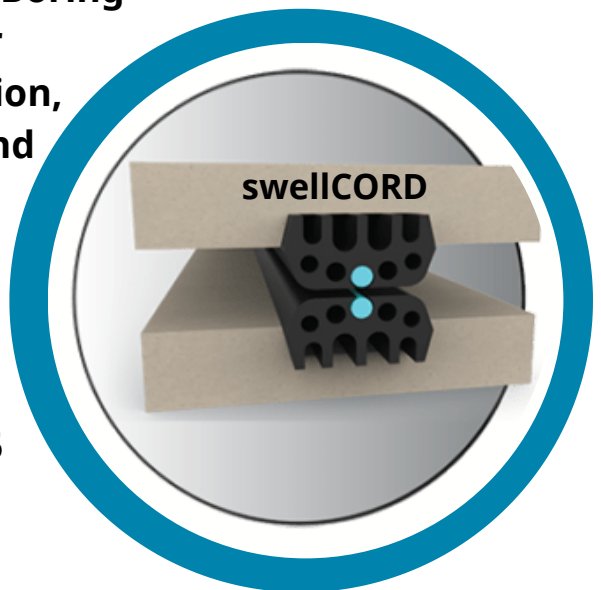
- Hydrophilic profile for gaskets dynamically adapt to changing gaps and offsets
- High resistance against permanent deformation
- Excellent chemical resistance

Reversible Swelling:

- Can undergo multiple wet/dry cycles, shrinking back down when dry and re-expanding when moisture returns.

Available in:

- Cords from 4-15 mm diameter 
- Strips
- Customized



Contact Us

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