

Technical Data Sheet

Polymer Vision Technology Hydrophilic Swell Bar

PVTH swell bar is used for sealing of concrete construction joints, precast concrete segments, proofing of shafts, steelwork and opipe penetration subjected to continuous or intermittent hydrostatic pressure. It swells in contact with water to seal the gap and pores in a concrete joint. It can swell up to 300%. Advantages are easy secure application, good swelling properties, good elastic properties, permanent water resistance, no leaching, none polluting, ecological user-friendly system, need no hardening time.

Tensile strength	13 Kg f/cm²
Specific density	1.25 gm/cm³
Hardness	40-50 (Shore A)
Elongation at break	200% min.
Service temperature range	-30°c to 60°c
Change of volume	7 Days in tap water ≥ 200%
Swelling rate	300% Vol. in pure water & 175% Vol. in sea water.

Available Swell Bar Sizes.

Product Name	Width (mm)	Thickness (mm)
PVTHSB 1010	10	10
PVTHSB 2005	20	5
PVTHSB 2010	20	10
PVTHSB 2020	20	20
PVTHSB 2030	20	30
PVTHSB 2040	20	40
PVTHSB 3005	30	5
PVTHSB 3010	30	10
PVTHSB 3020	30	20
PVTHSB 3030	30	30
We can make any size as par requirements.		