

WATER STOPPING PU FOAMS AND GELS

TECHNICAL PARAMETERS	CONTITE PU 100/101	CONTITE PU 100(1K)	CONTITE G600	CONTITE PUE500/501
Type			1K Polyurethane Injection Grout	2K Polyurethane Injection Grout
Mixing Ratio	10 : 1 by Weight	N.A (1K Product)	N.A (1K Product)	Part A : Part B = 1 : 1 by Volume
Viscosity of Mixture (25°C)	50 - 150 Cps	250 - 450 Cps	350 - 650 Cps	100 - 200 Cps
Pot Life (25°C)	4 - 8 hours when protected from Moisture	N.A (1K Product)	N.A (1K Product)	5 Minutes
Reaction Time with Water			1 : 1 by weight 15 - 10 Seconds (Foam) 1 : 5 by weight 20 - 25 Seconds (Gel)	20 - 30 Seconds
Application temperature	>5°C	>5°C	>5°C	>5°C
Properties and uses	Very Low viscosity	Low viscosity	Low viscosity	Low viscosity
	100% Solid - Solvent Free	100% Solid - Solvent Free	100% Solid - Solvent free, Hydrophillic Flexible Elastomeric Gel.	100% Solid - Solvent free Rigid PU Foam.
	Stopping water seepage.	Stopping water seepage.	Shutting off Heavy Water Leakage Pemanently.	Compressive Strength with Fine sand > 40 Mpa (7)
	Sealing leaking cracks & voids.	Sealing leaking cracks & voids.	Shutting off water seepage, forming a positive side waterproof membrane with below grade structures injected from the negative side, for reinjectable hoses & soil stabilization	Shutting off Heavy Water Leakage Pemanently
	Injection in leaking diaphragm walls.	Injection in leaking diaphragm walls.	Prevention of water leakage in sewerage and drain pipes, ground stabilization	Soil and rock consolidation with increase in Load Bearing capacity by filling of large voids, cracks and crevices in Soil.
	Sealing leaks in tunnels, basements, subways, pipe lines, manholes, dams, reservoirs, pools, water tanks etc.	Sealing leaks in tunnels, basements, subways, pipe lines, manholes, dams, reservoirs, pools, water tanks etc.	Prevention of water leaks through expansion or construction joints, etc.	Pre injection for waterproofing and con-solidation in front of TBM and drill and blast
Performance characteristics as per EN1504-Part 5	U(D2)W(1)(3/4)(5/30)(0)	U(D2)W(1)(3/4)(5/30)(0)		