PolyMaster 1.5

Product Overview:

PolyMaster 1.5 is a fast reacting two-component polyurethane injection resin formulated to waterproof and fortify water-bearing structures. PolyMaster 1.5 excels at swiftly halting water ingress.

Its exceptional penetration into cracks, voids, and porous substrates, coupled with its hydrophobic and viscous nature, allows the resin to displace and expel incoming water. At the interface between the resin and water, PolyMaster 1.5 forms stable and durable foam seals. Applications include but are not limited to: stabilisation water bearing ground, halting water inrush in tunnels and dams, slab jacking.

Training is advised for the applicator should the application of PolyMaster 1.5 be slabjacking.

Technical Data:

All values listed are approximations.

Component A:

Colour:	Yellow tint
Density at 23°C (g/cm^3)	1.05
Dynamic viscosity at 23°C (mPas)	180

Component B:

Colour:	Brown
Density at 23°C (g/cm^3)	1.20
Dynamic viscosity at 23°C (mPas)	100

A + B

Mixing ratio by volume (A : B)	1 : 1
Reaction temperature	Slightly exothermic
Viscosity at 23°C (mPas)	140
Gel time (sec)	90
Total curing time (min)	10
Tensile strength (N/mm^2)	30
Compressive strength (N/mm^2)	70
Expansion factor	1 – 3

Storage:
PolyMaster 1.5 has a minimum shelf life of 12 months, in dry conditions as temperatures between 15-25°C. Product should be kept out of direct sunlight. Should you wish to use the product after 12 months, we recommend a sample be sent to Deutsch Master for quality testing.

Disposal:
General waste can be used for small quantities of reacted product. Singular components should be disposed of in accordance with local laws.