

PUROLITE MB 400 is a ready-to-use homogeneous mixed bed mixture suitable for the production of very high purity demineralised water.

PUROLITE MB 400 is obtained by intimately mixing two fully regenerated resins: a strong acid gel cation exchanger in H⁺ form and a strong base type 1 gel anion exchanger in OH⁻ form, chosen to give the highest performances also when the waters to be treated bear important amounts of silica.

PUROLITE MB 400 produces perfectly demineralised, silica free water starting from both tap and already pre-treated waters such as those obtained by reverse osmosis, electrodialysis and multistage evaporation.

Once exhausted, if required, **PUROLITE MB 400** can be recovered: its components are separated by backwashing, regenerated, rinsed and then remixed. **PUROLITE MB 400** is so ready for a new cycle.

CHEMICAL AND PHYSICAL CHARACTERISTICS

Appearance	Amber coloured spherical beads	
Functional groups	Sulphonic acid and quaternary ammonium	
Ionic form, as shipped	H ⁺ /OH ⁻	
Cation : anion resin ratio	1.0:1.5	
Particle size	0.3 - 1.2 mm	
Moisture content, as shipped	approx 60%	
Shipping weight	720 - 730 g/l	
Standard packaging	25 litre bags	
Recommended operating flow rate,	on tap water	10 - 20 BV/h
	on partially demineralised water	20 - 40 BV/h
Operating exchange capacity, endpoint at 10 µS/cm	30 g CaCO ₃ /l	
Treated water conductivity,	with 1 column	1.0 - 5.0 µS/cm
	with 2 columns in series	0.1 - 0.5 µS/cm
Treated water pH	6.5 - 7.5	

CAUTION

The product shall be stored in original bags or in other suitable air tight containers. The resins should not lose their moisture and should not be left in contact with the atmosphere for more than the time needed for their repacking.

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