

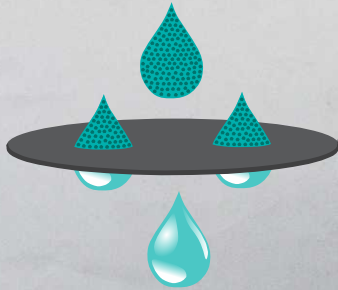
Percolite®

PERLITE FILTER AID

Make it
perfectly clear.



Percolite®
PERLITE FILTER AID



SUPPLIED BY PRATLEY (PTY) LTD.
(REG. No. 1996/003890/07)

P.O. BOX 3055 • KENMARE 1745
GAUTENG • SOUTH AFRICA
TEL +27 11 955 2190
FAX + 27 11 955 3918



CAPE TOWN DEPOT: +27 21 510 7466/7
DURBAN DEPOT: +27 31 309 1966
PORT ELIZABETH DEPOT: +27 41 365 4616
email: sales@pratley.co.za

www.pratleyminerals.com

NON-HAZARDOUS
NUISANCE DUST
IF SPILT - DAMPEN WITH WATER



www.pratleyminerals.com

PRATLEY (PTY) LTD P O Box 3055 Kenmare 1745
Gauteng • South Africa
Tel.: +27 11 955-2190 • Fax: +27 11 955-3918
email: sales@pratley.co.za



/PratleySA



@PratleySA



/PratleySA

11/2/2022

About us

Since 1975, Pratley has been involved in the mining and processing of two unique minerals, Perlite and Zeolite. Backed by sophisticated research and development capabilities, we use proprietary technology to process these minerals into high quality filter media.

What is Percolite®?

The fundamental problem of filtration is to maximise two desirable yet conflicting parameters: Clarity and Flowrate. Percolite® achieves just that. Percolite® filter aid is manufactured from a unique naturally occurring vitreous volcanic lava known as Perlite. First the crushed Perlite is expanded in a furnace into millions of tiny hollow bubbles. Using specialised production methods, these bubbles are then carefully milled and accurately classified to produce the various Percolite® grades.

Percolites' unique interlocking structure forms a myriad of microscopic interparticle channels. Percolation takes place within these channels and efficiently removes particulate material from the filtrate. Consequently a high flow rate together with exceptional clarity is achieved.

Percolite® filter aid is completely inert and it is sterile (due to 950°C furnacing). Also, it does not impart any colour, taste or odor to the filtrate.

Applications Percolite® may be used in almost any industry requiring fine liquid/solid separation. Some examples are:	
Food	Wine, Oil, Starch, Beer, Glucose, Fruit juice, Syrups.
Pharmaceutical	Antibiotics, Enzymes, Epsom Salt.
Chemical	Acids, Resins, Polymers, Adhesives, Hydrolyzed vegetable protein.
Industrial	Water treatment, Oil and solvent recovery, Industrial fillers, Heavy metal solutions, Industrial chemicals, Platinum bearing solutions, Copper-Cobalt-Nickel solutions, Titanium solutions, Electroplating solutions, Dry cleaning.
Coatings and Paint	Varnish, Waxes, Gums, Textured paint, Oils, Polishes.
Environmental	Oil and petrochemical cleanup, Water filtration.

The Percolite® Advantage

High flow rate & super clear - The accurate size classification and the unique structure of Percolite® leads to one of the highest flow rate to clarity ratios possible.

Unmatched quality - Pratleys' cutting edge research and development laboratory supervises quality control and assures customers of product performance and repeatability.

Advanced laboratory - Sophisticated laboratory equipment in the form of; Laser Particle size analyzer, Turbidity meters, X-ray diffractometer, Scanning Electron microscopes, Viscometers, Atomic absorption spectrometer, Fourier Transform Infrared Spectrometer and filtration flow rigs amongst others, ensures accurate quality control and permits customer specific analysis.

Certified - The Percolite® filter aid manufacturing process is ISO 9001-2015 certified and Percolite® meets the standards listed in the food chemicals codex published by the United States National Academy of Sciences.

Countrywide distribution - Countrywide distribution with supply depots located in Gauteng, Cape Town, Durban and Port Elizabeth.

Support - Countrywide sales team and support.

Grade selection - Percolite® filter aids range from fine grades for absolute clarity, to coarser grades with fast flow rates for maximum productivity.

Packaging - Professionally packed and supplied in food safe paper packaging.

Less unexpanded product - Ordinary Perlite based filter aids often contain a relatively large proportion of unexpanded material. This is usually evidenced by the presence of small grey particles within the white material. Abrasive unexpanded particles cause significant wear in pipes and pumps (they also serve no filtration function). This ultimately leads to costly maintenance and an increase in downtime.

Available Grades

Percolite® is available in several grades to meet almost any flow and clarity requirement. Since research and development is core to our business, grades can be manufactured and tested to meet customer requirements. The table below lists the properties of our standard grades.

Fine Material	Product Grade	Product Order Code	Permeability (DARCY) Water @ 30°C [PI 501-83]	Floats (%) [by mass] [PI 300-77]	Wet Cake Density (Kg/m³) [PI 501-83]	Lower Flow Rate
	PF 10	99101	≤ 0.3	MAX 1%	MAX 850	
	PF 40	99104	0.31 - 0.95	MAX 1%	195 - 260	
	PF 50	99105	0.95 - 1.24	MAX 4%	165 - 205	
	PF 60	99106	1.24 - 2.15	≤ 10%	140 - 200	
	PF 70	99107	2.15 - 3.15	≤ 12%	130 - 195	
	PF 80	99108	3.15 - 3.9	≤ 15%	110 - 190	
Coarse Material						Higher Flow Rate

