

GENERAL DESCRIPTION

- PRODUCT:** Construction Grade expanded perlite
- DESCRIPTION:** Multi-purpose lightweight concrete and plaster aggregate, or loose fill insulation media.

DRY SIEVE ANALYSIS

US MESH	MICRONS	% PASSING BY WT.
No. 4	4750	100
No. 8	2380	85 — 100
No. 16	1190	40 — 85
No. 30	600	20 — 60
No. 50	300	5—25
No. 100	150	0—10



SUPREME PERLITE Construction Grade expanded perlite consists of 1/8" size granules and smaller. It is useful for mixture with cement aggregate to make lightweight insulating concrete and cementitious plaster. It can also be poured loose into masonry cavity walls or use in bags as sub-floor insulation.

Perlite is a heat-expanded siliceous volcanic rock with the following characteristics:

- Incombustible
- 100% natural
- Inert, stable
- pH neutral
- Ultra-lightweight
- Non-toxic
- Asbestos-free
- Vermin & rot proof

SUPPLEMENTARY INFORMATION

- Meets ASTM C549: Perlite Loose Fill Insulation
- Meets ASTM C332: Lightweight Aggregates for Insulating Concrete
- Thermal Resistivity (R-val): approx. 2.6 per inch
- This grade is NOT coated or otherwise treated for water repellency

CHEMICAL NAME:	Sodium Potassium Aluminum Silicate
APPEARANCE:	White granules, odorless
LOOSE BULK DENSITY:	7.5 — 12.0 lb/ft ³
pH (OF WATER SLURRY):	Neutral
REFRACTIVE INDEX:	1.5
HARDNESS (MOHS):	5.5
FUSION POINT:	2300 — 2450 °F
FLASH POINT:	Non-flammable
EFFECTIVE SPECIFIC GRAVITY:	0.4—0.6 (approx.)
THERMAL CONDUCTIVITY:	0.27 - 0.41 Btu.in/h.ft ² . °F @ 75 °F
SOLUBILITY:	Negligible in water and weak acids.*

* Soluble in hot concentrated alkali and HF; moderately (less than 10%) in 1N NaOH. Slightly (less than 3%) in mineral acid.

PACKAGING OPTIONS

- 4 cu. ft. (113 L) paper bags
- 60 cu. ft. super sacks (2.2 yd/1.7 m³)