

# KAIXI Ceramsite



## LECA Expanded Clay Pebbles Hydroponics Grow Rocks Leca Clay Balls

C:4-8mm/8-10mm/11-14mm/10-30mm

### Features /特点



breathable,  
water-retaining  
透气, 吸水



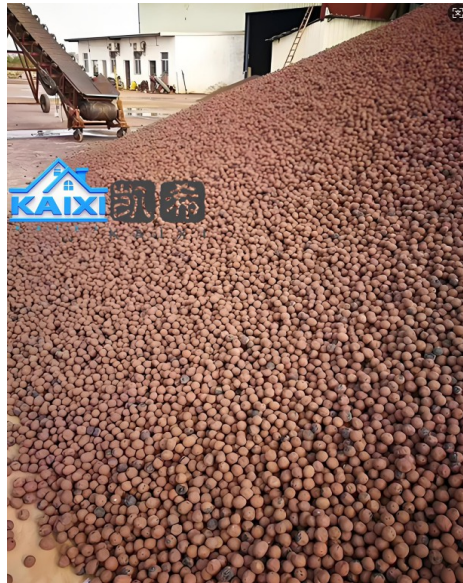
DURABLE  
耐用性能强



Strong  
adaptability  
高性能



Eco-friendly  
环保



### Advantages and Applications of Ceramsite

Ceramsite is a lightweight, porous artificial aggregate with numerous benefits, including low weight, high strength, thermal insulation, sound absorption, fire resistance, and moisture-proof properties. Its porous structure helps regulate humidity, and it offers excellent frost resistance, corrosion resistance, and eco-friendliness, making it easy to use in construction.

#### Applications:

1. Construction: Used in lightweight concrete, roof insulation, and wall filling to reduce structural load.
2. Landscaping: Serves as a breathable, water-retaining growing medium for rooftop gardens and potted plants.
3. Municipal Engineering: Applied in drainage layers and wastewater treatment filtration.
4. Industrial Use: Functions as refractory material or soundproofing layers in workshops, theaters, and other spaces.
5. Ceramsite is a versatile, energy-efficient, and environmentally friendly building material.

陶粒是一种轻质多孔的人造骨料，具有重量轻、强度高、保温隔热、吸音降噪、防火防潮等优点。其多孔结构有助于调节湿度，抗冻性和耐腐蚀性优异，且环保无毒，施工便捷。

#### 适用场所:

- 建筑领域：用于轻质混凝土、屋顶保温、墙体填充，减轻结构负荷。
  - 园林绿化：作为透气保水的种植基质，适用于屋顶花园、盆栽等。
  - 市政工程：用于排水层、污水处理滤料。
  - 工业用途：作为耐火材料或吸声隔音层，广泛用于车间、剧院等场所。
- 陶粒功能多样，是节能环保的理想建材。

### Specification

Name	Expanded Clay Pebbles	名称	陶粒
Feature	Eco-Friendly	特色	环保
Application	Used for building backfill, horticultural planting, pavement filling, hydroponics, etc.	适用场地	用于建筑回填，园艺种植，路面填充，水培法等
Material	Lightweight ceramsite	材质	轻巧的陶土
Shape	ROUND	形状	圆形
Bulk Density	200-400KG/M3	密度（整体）	200-400KG/立方米
Size	4-8mm, 8-10mm, 11-14mm, 10-30mm	尺寸	4-8mm, 8-10mm, 11-14mm, 10-30mm
Place of Origin	Guangdong China	原产地	中国广东
Features	Light weight, hydroponics, Breathable	特点:	轻巧, 透气, 吸水
Refractoriness (Degree)	Common (1580° < Refractoriness < 1770°)	耐磨程度	常见 (1580° < 耐磨性 < 1770°)
Colors	Brown	颜色	棕色
SiO2 Content (%)	42	SiO2 Content (%)	42
MgO Content (%)	14	MgO Content (%)	14
Al2O3 Content (%)	23	Al2O3 Content (%)	23
CaO Content (%)	2.7	CaO Content (%)	2.7



pressure  
-stable and rigid



waterproof



lightweight



design variety



environmen-  
-tally



economical



insulating



easy to install



alternative  
surfaces

### CONTACT US

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