



Hainan Yanheal Technology Co., Ltd.





NATURAL
Product

What is Closed-Cell Perlite?



Think of it as tiny, high-strength, closed-cell hollow spheres.

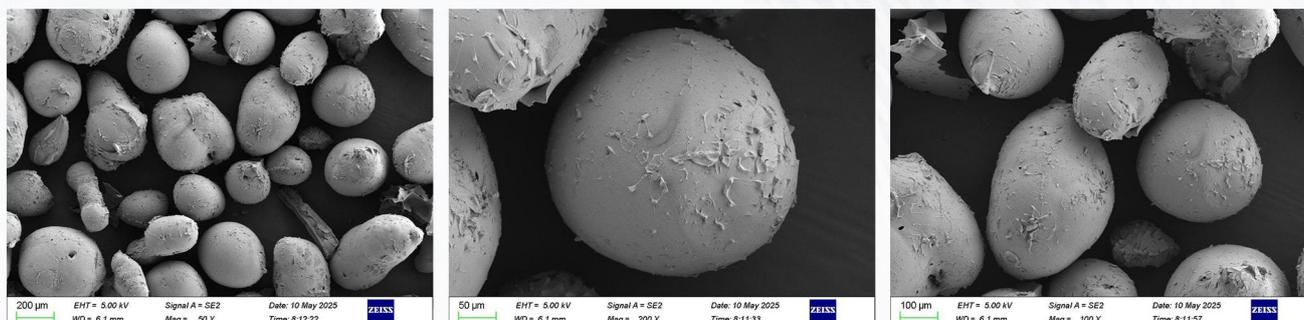
Closed-cell perlite is a lightweight spherical particle made from natural volcanic rock through high-temperature vitrification. It features a glassy closed-cell surface structure and a hollow interior, boasting three core properties:

- **Low density**
- **High strength**
- **Low water absorption**

Its hollow spherical structure enables mature application in cement-based and resin-based products.

Yanheal Series Products

- Based on natural perlite's controllable thermal expansion
- Particle size range: 45 µm – 1000 µm | Multiple grades available
- Special coated grades: Enhanced hydrophobicity, improved long-term stability of ready-to-use products



- Key benefits: Low density, thermal/sound insulation, flame retardancy, low thermal conductivity, high strength, low water absorption, excellent mixability & dispersibility | Versatile applications

Code	D50 (µm)	D90 (µm)	Hydro-phobic	Bulk Density (kg/m ³)	Compressive Strength(Kpa)	Brightness
Yanheal 150	75	150	NO	150	350	≥80
Yanheal 150 Z	75	150	YES	150	350	≥80
Yanheal 212	110	212	NO	260	1002	≥80
Yanheal 212 Z	110	212	YES	260	1002	≥80
Yanheal 250	170	250	NO	260	1050	≥80
Yanheal 250 Z	170	250	YES	260	1050	≥80
Yanheal 270	190	270	NO	260	1150	≥80
Yanheal 270 Z	190	270	YES	260	1150	≥80
Yanheal 380	210	380	NO	260	1200	≥80
Yanheal 380 Z	210	380	YES	260	1200	≥80
Yanheal 550	290	550	NO	120	500	≥80
Yanheal 550 Z	290	550	YES	120	500	≥80
Yanheal 830	420	830	NO	120	460	≥80
Yanheal 830 Z	420	830	YES	120	460	≥80

Tailored Application Solutions

Select the optimal grade of Yanheal series products tailored to your product requirements, and solve your application challenges efficiently.



Main Applications

Our Products

Building Materials

Sealant / Jointing agent / Joint Filler / Putty	Yanheal 150
Acrylic plaster / Plastering gypsum	Yanheal 550
Internal and external wall insulation mortar system	Yanheal 830
Tile Adhesive / Waterproof Bituminous Membrane	Yanheal 380
Self flowing flat bottom layer / tile grout	Yanheal 212
Insulation board / fireproof board / soundproof board	Yanheal 830

Concrete

LW concrete / Infra LW concrete / 3D Print concrete	Yanheal 380
---	-------------

Coating

Fire-retardant coatings/heat-reflective and heat-insulating coatings	Yanheal 550
Waterproof coating/soundproof coating/anti-corrosion	Yanheal 550

Oil and Gas

Cement for Well Cementing density regulation	Yanheal 380
--	-------------

Industrial Casting

Heat insulation riser	Yanheal 380
-----------------------	-------------

Artificial stone

Cultured Marble	Yanheal 270
-----------------	-------------

Applications Beyond the List

The application scenarios of Yanheal series products are not limited to the mentioned cases.

If your product is not listed in our standard solutions, contact us. Yanheal will provide professional technical support and customized solutions for you.

Lightweight Concrete



Coating



Well Cement



Heat Insulation Riser



Cultured Marble



Waterproof Bituminous Membrane



Adhesives Sealants



Putty



Tile Adhesives



Insulation Mortar



Plastering Gypsum



Thermal Insulation fireproof of Board



Reliable Global Supply & Support

Equipped with strong supply chain management capabilities, Yanheal guarantees stable and timely product supply worldwide.



Our Support System



Disclaimer

Accuracy of Information

Yanheal has taken all possible measures to ensure the accuracy of the information, but assumes no responsibility for any errors or omissions contained herein.

Legal Notice

This information does not give rise to any warranties of any kind, expressed or implied, including fitness for purpose and non-infringement of intellectual property. The technical information presented comprises typical data and should not be taken as representing a specification. Yanheal reserves the right to change any of the data without notice.

Hainan Yanheal Technology Co., Ltd.

Website: www.yanheal.com Email: info@yanheal.com

Address: Room 501, 5th Floor, Caisheng Building, No. 15 Longhua Road, Datong Street, Longhua District, Haikou City, Hainan Province

