

Lightweight and clean

Arqlite SMART GRAVEL



3X lighter
than mineral gravel



Dust-free
keep your operations clean



Eco-friendly
made from 100% recycled
plastic



Safe
tested BPA & leachate
free



Sustainable
SITES
Initiative



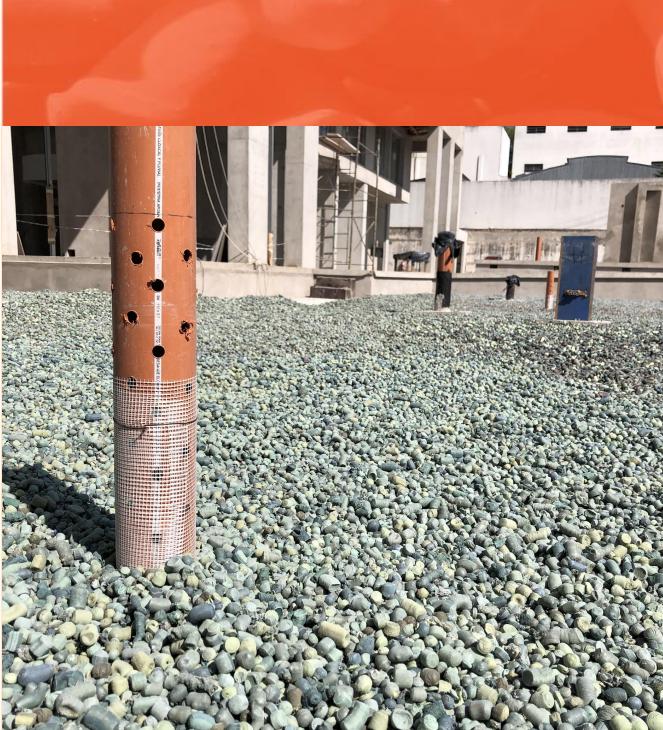


SAFE
for water
& plants

Home Gardening

Effective drainage to avoid root rot

- Place a layer at the bottom of pots and raised garden beds for optimal drainage
- Make big pots light and easy to move by using it as a filler
- Great to top-dress your potted plants for decoration, water retention, or pest prevention



French Drain

Cut installation times in half

- Ultra-lightweight: easy to transport, handle, and install
- Reduce labor times and back pains
- Rounded shape helps preserve plastic drainage pipes



SMART
IN A BAG

Reusable &
Recyclable

Smart
in a
#bag



Green Rooftops

Lightweight roof drainage

- Ten times better insulator than mineral gravel reduces HVAC costs.
- Easy to transport, handle, and install at height.
- Dust-free for cleaner surfaces and better drainage.

Hydroponics

Substrate for plant growing

- Dust-free - requires no rinsing and keeps your systems clean
- pH neutral - doesn't require water modification
- It can be reused many times and recycled into new Smart Gravel



@Arqlite

Check on our #HappyUsers, read their testimonials, and upload your own pictures to become part of the **Arqlite Community**.

	Micromini	Mini	Regular
Size	1/16 to 1/8 inch	1/8 to 1/2 inch	1/2 to 1 inch
Main Applications	Concrete	Concrete/Drainage	Drainage/Hydroponics
Specific Weight	1038 lb/y ³ 615 kg/m ³	1020 lb/y ³ 605kg/m ³	884 lb/y ³ 524 kg/m ³
Water Absorption	4.2	2.8	2.6
Modulus of Elasticity	64.8 Mpa		
Yield Stress 0.2	2.4 Mpa		
Thermal conductivity	~0.25W/m.K - (vs. Mineral rock: 2 to 7 W/m.K)		
Leachate-free: Using the SW846-1311 method to test for the presence of 64 semi-volatile compounds that could accumulate in rainwater runoff, the sample was below the detection limit for all compounds.			
Polymer analysis: No significant amount of volatile compounds *TGA measures the mass loss as a function of temperature and pyrolysis GC-MS (PyGCMS) was used to analyze the pellets at high temperatures. Additionally, a toxicity characteristic leaching procedure (TCLP) was performed. The headspace GC-MS was used to analyze volatile organic compounds while PyGCMS was used to determine the polymer components present in the Arqlite samples.			

A smart solution for your projects

- French Drain
- Substrate Base
- Decoration & Moisture Retention



Arqlite LEED / SITES

Our smart gravel is a **great addition to any inventive, sustainable and green building strategy**. It checks off a surprising number of sustainability certification criteria.

- ✓ Minimizes water demand and waste
- ✓ Reduces HVAC costs by providing better insulation
- ✓ Made from 100% recycled plastic that would have gone to a landfill
- ✓ Lightweight so less material is need for support
- ✓ Low transport costs, meaning fewer GHG emissions
- ✓ Safe for vegetation with no BPA leaching



The Sustainable
SITES
Initiative®

