

# **Re Act**<sup>®</sup> Pure

# Lightweight Aggregate

#### Usages

Lightweight Aggregate formed from ReAct Pure

## **Compressive Strengths**

Used to make Lightweight Concrete

Bulk Density Range 50.5 – 54.7 lb/ft<sup>3</sup>

Aggregate Volume Replacement 100%

## ASTM

C330

ReAct lightweight aggregate is a white calcium carbonate aggregate formed from ReAct Pure. ReAct Pure enables the production of lightweight concrete complying with ASTM C330 requirements.

### + Business Applications

Structural lightweight concrete, such as slabs, walls, beams, concrete blocks, and screeds.

#### + Key Benefits

Lightweight Aggregate from Locally Available Materials Low Embodied Carbon Lightweight Aggregate Strong Interfacial Transition Zone Enhanced Internal Curing Reduced Manufacturing Energy Demand Reduced Concrete Dead Load

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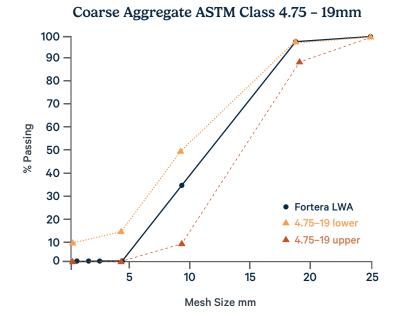
# Lightweight Aggregate

#### Maximum Dry Loose Bulk Density Requirements of Lightweight Aggregates for Structural Concrete

Size Designation	Maximum Dry Loose Bulk Density kg/m³ [lb/ft³]
Fine Aggregate	1120 [70]
Coarse Aggregate	880 [55]
Combined Fine & Coarse Aggregate	1040 [65]

#### Light Weight Aggregate Density from Fortera Run

Size	1/2"	3/8"	No.4	Combined
Unit Wt (lb/ft <sup>3</sup> )	50.5	51.7	53.5	54.70



Fortera Lab follows ASTM testing protocols for construction materials