



ReAct[®] Cement

Lightweight Aggregate

Usages

Lightweight Aggregate formed from ReAct Cement

Compressive Strengths

Used to make Lightweight Concrete

Bulk Density Range

50.5 – 54.7 lb/ft³

Aggregate Volume Replacement

100%

ASTM

C330

ReAct[®] lightweight aggregate is a white calcium carbonate aggregate formed from ReAct Cement. ReAct Cement 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/m ³ [lb/ft ³]
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 ³)	50.5	51.7	53.5	54.70

Coarse Aggregate ASTM Class 4.75 - 19mm

