

STANFORD WATERSHED BLOCK™



The Stanford Watershed Block's color palette is inspired by the rich reddish-brown sandstone beneath the Stanford University campus. The block's warm hue emerges as red clay from Amador County is mixed with crushed basalt from Mark West Springs, west of Calistoga, and quarry fines from Nun's Canyon in the Mayacamas Mountains of Sonoma County.

The Stanford Watershed Block mixes aesthetics, sustainability and performance. Reduced cement lowers the block's CO2 footprint compared to traditional concrete block. The warm, natural beauty arises from local minerals and avoids the use of expensive artificial colorants. The Stanford Watershed Block meets or exceeds ASTM C90 specifications, encouraging engineers and architects to specify the block with confidence.

Environmental Advantages

- Incorporates locally sourced, unwashed aggregate, reducing water use and diesel emissions from transportation
- Contains recycled post-industrial quarry byproducts
- Reduces cement, an expensive and hugely polluting binder responsible for 6% of humanity's CO2 footprint
- Avoids energy intensive steam curing
- Increased density provides natural thermal mass that can offset heating and cooling needs

Technical Specifications

Nominal Dimensions: 4x8x16", 6x8x16", 8x8x16",
Bondbeam blocks 6" & 8" high.
Dry Density: 125-130 pcf (standard-weight)
Weight: 21.9 lbs per 4" block, 30.05 lbs per 6" block,
43.9 lbs per 8" block
Compressive Strength: Greater than 1,900 psi
(ASTM C90 compliant)
Water Absorption: Less than 13 pcf
(ASTM C90 compliant)
Linear Shrinkage: Less than 0.065%
(ASTM C90 compliant)
Thermal Conductivity: 0.81-0.93 W/m°C
Acoustic Reduction: 40-50 dB (40 cm wall 500Hz)

