



TECHNICAL SPECIFICATIONS

Our stone's exquisite aesthetic lends a durable beauty to your project. The Wapanucka limestone offers uniform texture and structure, and is comprised of oolites with intermittent calcite and fossil veins. We sort products based on color, from deepening tones of beige to buff. As a freestone, both fleuri and vein cuts are possible, affording customers additional options to maximize its inherent character or uniformity. This stone is appropriate for exterior installations in environments with temperature extremes, or moderate foot traffic. Wapanucka limestone is a truly versatile and durable domestic limestone.



Custom Elements

Abilene, Texas



Floor Tiles

Dallas, Texas



Random Chopped Veneer

Branson, Missouri



Custom Civic Memorial

Tulsa, Oklahoma

ASTM Test Results

Wapanucka oolitic limestone is classified as a coarse-grained, very well sorted, fossiliferous, oolitic lime grainstone. The oolites are very well rounded and display nuclei of calcareous skeletal fragments, surrounded by concentric layers of microcrystalline calcite. The oolites display a mean grain diameter of approximately 0.71 mm, with a maximum grain diameter of 1.69mm. Oolites comprise in excess of 99% of the grain population, with a few scattered (uncoated) fossil grains also present within the detrital framework. The skeletal nuclei of the oolites include echinoderm plates, bryozoans fragments, bivalve shell fragments (mollusk) and rare foraminifera.

A few of the oolites have been partially replaced with chalcedony, which has preferentially replaced portions of the skeletal nuclei. The oolitic grains are tightly cemented with sparry calcite cement, which fills all but trace amounts of the interparticle space within this rock. The thin section prepared from this dimension stone displays several fractures which are tightly cemented with calcitic spar. The fractures do not display evidence of offset. This oolitic limestone lacks any visible evidence of macroporosity. The Wapanucka lime grainstone will take a fine polish and represents an attractive durable ornamental and building stone material. ¹

ASTM Test Results

Absorption by Weight (%)	0.66 - 1.90%
Density (lbs/ft ³)	151.80
Modulus of Rupture (psi dry)	1,025
Compressive Strength (psi)	9,792
Abrasion Resistance	10.07 - 13.00
Reflection Value	92 - 96

Wapanucka Oolitic Limestone

Calcium carbonate, CaCO ₃	97.83%
Magnesia, MgO	0.49%
Iron, FeO	0.52%
Silica, SiO ₂	0.80%
Sulphuric acid, H ₂ SO ₄	0.00%
Alkali	0.00%
Moisture	0.10%
Total	99.74%

¹ Petrographic Analysis (ASTM 295) Report EN94-0272: Wapanucka Oolitic Limestone, Tulsa Division of United States Testing Company, Inc., December 5, 1994.