



MATERIAL COMPARISON

Why extruded 4K Aluminum

4K Aluminum posts and beams are extruded 6061-T6 aircraft alloy aluminum, not roll-formed, with no steel inserts. Extrusion pushes aluminum through a die into a solid profile, which is much stronger than roll forming.



Freestanding 4K Aluminum pergola with extruded aluminum posts and beams

Up to 33 ft

Beam span between posts

6061-T6

Aircraft alloy

Class A

ASTM fire certified

20 years

Material warranty

Why it matters

Strength without inserts

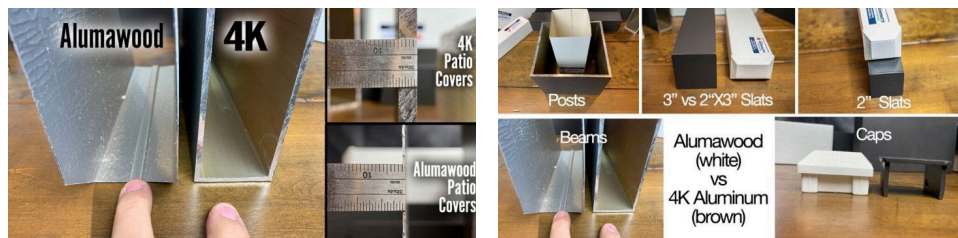
Extruded 6061-T6 posts and beams need no steel inserts, and 4K Aluminum beams span up to 33 ft between posts using extruded beam connectors.

A clean finish

Seamless beam connectors and hidden, color-matched screws, with no miter joints showing exposed aluminum.

A finish that lasts

Powder coated with the latest Italian-made equipment to AAMA 2604, with a 20-year powder coat warranty and 20 years on the material.



Beam profiles and wall thickness, side by side

Posts, slats, beams and caps, side by side (4K Aluminum in brown)

Las Vegas, NV (Corporate)
4343 Sobb Ave.
Las Vegas, NV 89118
702-778-0709

California
705 Challenger St.
Brea, CA 92821
951-667-3053

Northwest Inc.
2650 Mercantile Dr., Units C & D
Rancho Cordova, CA 95742
916-238-1198



How the profiles compare

Roll-formed aluminum is shaped by bending aluminum sheet through rollers. Specifications vary by manufacturer.

	4K ALUMINUM EXTRUDED ALUMINUM	ROLL-FORMED ALUMINUM
How it's made	✓ Extruded through a die into a solid profile	Bent from aluminum sheet
Strength	✓ Much stronger than roll forming	Varies by product
Steel inserts	✓ None needed	Varies by product
Alloy	✓ 6061-T6 aircraft alloy posts and beams; 6063-T6 lattice	Varies by product
Wall thickness	✓ 8" posts at 0.25"; 6" posts at 3/16"; beams at 1/8"	Varies by product
Connections	✓ Seamless beam connectors; hidden, color-matched screws; no miter joints showing exposed aluminum	Varies by product
Hardware	✓ 304 stainless steel hardware; powder-coated galvanized steel brackets; no plastic end caps	Varies by product
Finish	✓ Powder coated to AAMA 2604	Varies by product

4K Aluminum details from 4K Aluminum product specifications. Roll-formed products differ by manufacturer; compare their published specifications.

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