

## Technical Data Sheet (TDS)

The following information describes the technical ASTM acoustics testing performed on prefabricated metal stairs. Testing was conducted to compare sound levels commonly associated with metal stairs. The Quiet Tread application was compared to traditional checker plate / diamond plate metal stairs, concrete pan filled metal stairs, and spray on acoustic applications.

### QUIET TREAD DIMENSIONS

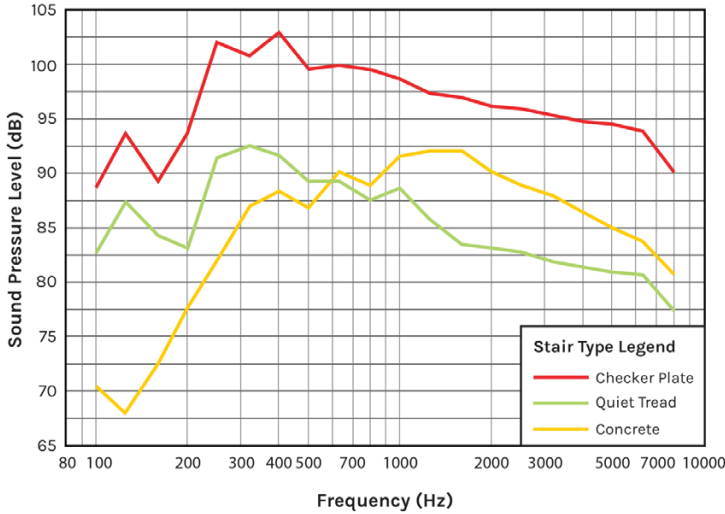
	Value
Thickness	0.125"
Max Width	60"
Max Length	120"
Weight	1.8 Lbs. / Sq. Ft.

### QUIET TREAD FIRE RATING

	Flame Spread Index	Smoke Developed Index	Class Rating
ASTM E84	10	55	Class 1 or A

### Stair Sound Comparison

Steady Noise From Tapping Machine



### Quiet Tread vs. Traditional Concrete Filled Metal Pan

When applied to the step only, Quiet Tread’s sound dampening is comparable to traditional concrete filled stair pans on prefabricated steel stairs.

	Normal Walking On Stairs Alone Test	Hammer Drop On Stairs Alone Test	Hammer Drop On Stairs Connected to Landing Test	Hammer Drop On Landings Connected to Stairs Test
Bare Diamond / Checker Plate Stair Treads	98.7 dB	122.7 dB	124.0 dB	127.1 dB
Quiet Tread Applied to Stair Tread Only	89.4 dB	115.4 dB	113.0 dB	120
Quiet Tread Applied to Stair Riser and Tread	88.5 dB	116.5 dB	112.4 dB	120.6 dB
Quiet Tread Applied to Stair Riser Only	89.7 dB	120.7 dB	121.4 dB	124.0 dB
Concrete Filled Metal Pan	85.5 dB	115.5 dB	Not Tested	Not Tested
Line-X (Spray Coating)	90.8 dB	119.4 dB	119.7 dB	125.3 dB

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