



KINETICS™ WAVE Hanger

Noise Control Ceiling Hanger

Patent No. 8,549,809

KINETICS™ WAVE Hanger is an essential component for “better than code” noise reduction in wood-framed projects. The innovative leaf spring design cradles drywall furring channel and quickly attaches to the bottom-side of any wood structural member delivering exceptional noise control at annoying lower frequencies. Uniquely designed and easily installed, the *WAVE Hanger* is the preferred high performance, low cost ceiling hanger for substantially reduced sound transmission through floor/ceiling and roof/ceiling construction in wood-framed construction.

Acoustical Performance

- Greatly outperforms resilient channel in controlling “thuds” (Low Frequency)
 - 16-dB ISPL (impact) improvement over resilient channel at 50-Hz
 - 6-dB TL (airborne) improvement over resilient channel at 50-Hz
- Two IIC 56+, STC 60 assemblies, without gypsum/ lightweight concrete
- Use with KINETICS™ IsoLayment QT (3-mm) noise control floor underlayment

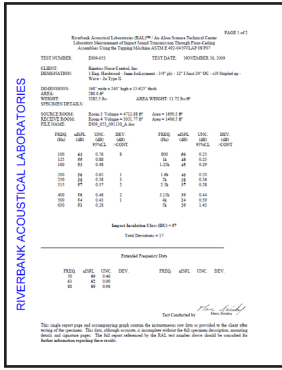
Easy, Reliable Installation

- Fast and simple – No more pinching furring channel into clips!
- Easy to follow guidelines for any isolated ceiling installation
- Fasteners supplied with WAVE Hangers

Simple Floor/Ceiling Designs

- Highest performance-to-cost value for wood-framed floor/ceilings
- Fastens to all wood structural framing
- Fire-rated assemblies cover all types of typical wood joists/trusses: ICC-ES ESR #3207
- Cement board buildup not required beneath ceramic tile
- Seismic categories: A, B, C, D, E, F

Acoustical Test Reports



WAVE Hanger was tested at RAL vs. RC Deluxe in multiple floor/ceiling wood composites. Download the complete set of test reports at www.kineticsnoise.com/arch/wave.html.

Highlights:

- No lightweight gypsum concrete used
- Tested with ultra-thin resilient underlayments
- **IIC 57 – STC 60:** Engineered wood floor, 3-mm IsoLayment QT, 3/4" sheath, 12" joists, R19 batt, WAVE, 2-layers Type X gyp-board
- **IIC 56 – STC 61:** Ceramic tile floor, 3-mm IsoLayment QT, 5/8" ply, 3/4" sheath, 12" joists, R19 batt, WAVE, 2-layers Type X gyp-board

Fire Test Report (ASTM E1234-06) and ICC-ESR



WAVE Hanger was tested in a wood-framed floor-ceiling composite at SwRI and obtained a wave one-hour (1-hr.) fire rating for an unrestrained assembly. ICC-ESR Report 333 and the fire test summary report can be downloaded at www.kineticsnoise.com/arch/wave.html.

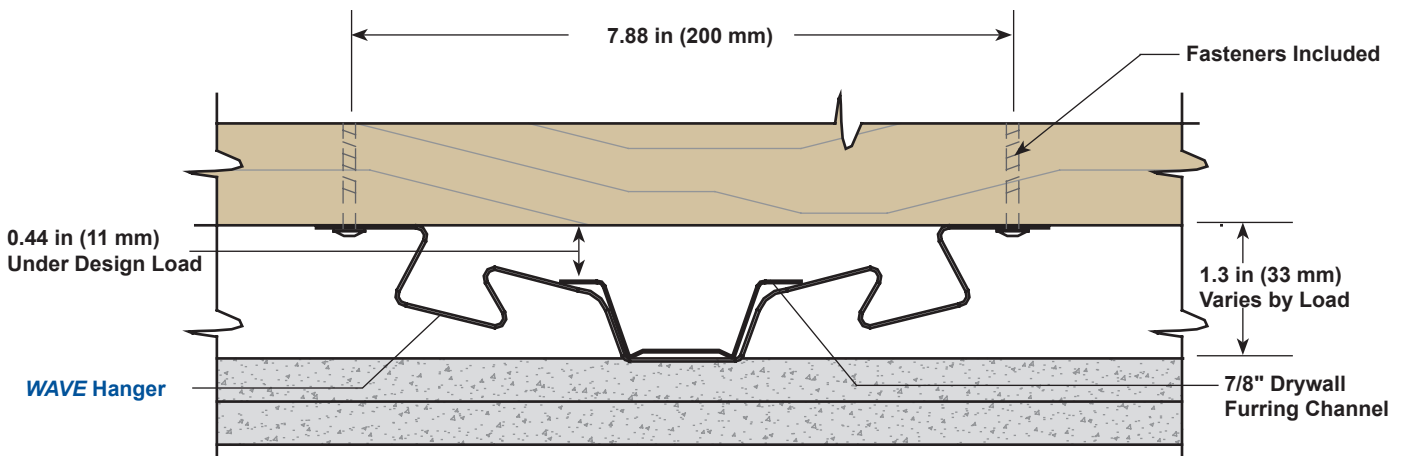
Highlights:

- No lightweight gypsum concrete used
- No extra channel required at butt joints
- Low-profile construction



Product Specs

Model	Capacity	Usage	Deflection at Design Load	Seismic Categories	f _n (max)
WAVE 44	44 lbs	Mid-room and perimeter*	0.44 in	A, B, C, D, E, F	5-Hz
WAVE 22	22 lbs	Corners and perimeter			



*Refer to WAVE Hanger Installation Guidelines for selection criteria.



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