



Blue = Beam or Baffle Thickness 3/4" = NRC 0.60

Green = Beam or Baffle Thickness 1" = NRC 0.70

Red = Beam or Baffle Thickness 1-1/2" = NRC 0.80

Purple = Beam or Baffle Thickness 2-1/2" = NRC 0.90

Additional test data may be available - if Supplementary data is not online, please contact your local RPG Sales Representative.

Frequency (Hz)	2-1/2" Thickness Absorption Coeff.
100	0.51
125	0.66
160	0.92
200	0.95
250	0.96
315	1.02
400	1.11
500	1.03
630	0.95
800	0.88
1000	0.83
1250	0.80
1600	0.76
2000	0.61
2500	0.54
3150	0.46
4000	0.43
5000	0.41
NRC	0.90
SAA	0.87

## PRODUCT OVERVIEW

Microlo™ Beams + Baffles build on one of the most elegant unions of architectural and acoustical performance: RPG's Perfecto® Micro technology. Utilizing hundreds of thousands of nominal 0.4mm laser micro-perforations per beam or baffle, significant sound absorption can be achieved to lower reverberation and reduce loudness in spaces. Available in a high recycled content, ULEF, Class A fire-rated and FSC-certified MDF core in the composite construction. **Microlo™ Beams + Baffles** can achieve up to an NRC=0.90 while maintaining the ambiance of the space with reflections at the highest frequencies for spaces that aren't too loud yet don't feel too quiet.

## SIZING

- Standard Beam: 3/4", 1", 1-1/2" or 2-1/2" x 12' L x 1' D
- Standard Baffle: 3/4", 1", 1-1/2" or 2-1/2" x 12' L x 2' D
- Custom Beam and Baffle lengths and depths are available.
- Perforations: Nominal 0.4mm dia. holes on 2mm staggered centers.
- Weight:

3/4" thick unit weighs approx. 1.50 lbs/ft<sup>2</sup>

1" thick unit weighs approx. 1.75 lbs/ft<sup>2</sup>

1-1/2" thick unit weighs approx. 2.00 lbs/ft<sup>2</sup>

2-1/2" thick unit weighs approx. 2.50 lbs/ft<sup>2</sup>

## CORE FIRE RATING

Class A (per ASTM E-84)

## FINISH

The **Microlo™ Beams + Baffles** are available in various finishes, including natural and engineered wood veneers and laminates\*. RPG offers clear lacquer or factory color-matching on both wood finishes and paint colors.

\*Laminates are not available with micro-perforations. See Perfecto® Mini for the smallest perforation option. Larger holes and grooves in the Perfecto®, Expo™ and Dado™ product lines are also compatible with laminates.

## INSTALLATION

The **Microlo™ Beams + Baffles** suspension is by cable or threaded rod from regularly spaced attachment points to the structure. Perpendicular bracing is required for lateral stability and is determined based on beam and baffle sizes selected.