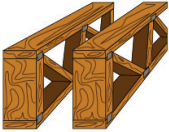
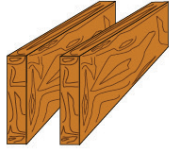

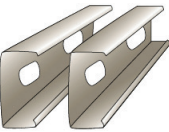
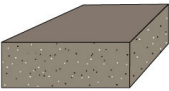



# Keene Building Product's SOUND and UL CHART

|  | Quiet Qurl  | Gypsum Floor Underlayment | Insulation  | Truss Depth       | GWB/<br>RC-1 Channel | RC+ | IIC / AIIC  |        |              |                 | STC / ASTC |       |
|--|---|---------------------------|-------------|-------------------|----------------------|-----|-------------|--------|--------------|-----------------|------------|-------|
|  |   |                           |             |                   |                      |     | Bare Gypsum | Carpet | Ceramic Tile | Engineered Wood |            | Vinyl |
| <b>OPEN WEB JOIST</b><br>   | 013   | 3/4"                      | 3 1/2" batt | 16"               | 1 layer/16" o.c.     |     |             | 56     | 56           | 53              | 53         |       |
|  | 025   | 1"                        | 3 1/2" batt | 18"               | 1 layer/24" o.c.     |     | 51          | 53     | 54           | 53              | 54         |       |
|  | 040   | 1"                        | 3 1/2" batt | 18"               | 1 layer/16" o.c.     | Yes | 56          | 56     | 62           | 64              | 60         |       |
|  |   | 1"                        | 3 1/2" batt | 18"               | 1 layer/16" o.c.     |     | 52          |        | 57           | 58              | 58         |       |
|  |   | 1"                        | Full Cavity | 16"               | 1 layer/24" o.c.     |     |             | 84     | 57           | 59              |            | 61    |
|  | 075   | 1 1/2"                    | 6" batt     | 18"               | 1 layer/16" o.c.     |     | 59          |        | 60           | 61              | 60         | 55    |
|  |   | 3/4"                      | 3 1/2" batt | 18"               | 1 layer/16" o.c.     | Yes | 57          |        | 64           | 62              |            | 60    |
|  | 013 MT  | 7/8"                      | 3 1/2" batt | 18"               | 1 layer/16" o.c.     |     | 52          |        | 54           | 56              | 53         |       |
|  |   | 3/4"                      | Full Cavity | 18"               | 1 layer/24" o.c.     |     | 53          |        |              | 56              | 55         |       |
|  |   | 3/4"                      | Full Cavity | 18"               | 1 layer/24" o.c.     |     |             |        |              |                 | 59 w/ pad  |       |
| 025 MT   | 1"  | 6" batt                   | 18"         | 2 layers/16" o.c. |                      | 58  |             | 62     | 61           |                 | 61         |       |
| <b>UL: L528, L529, L534, L542, L546, L550, L556, L558, L562, L563, L574, L576, L577, L579, L581, L583, L585, L586, L587, L592, M500, M501, M503 (Equivalent to L521), M508, M510</b> |   |                           |             |                   |                      |     |             |        |              |                 |            |       |
| <b>Nominal WOOD JOIST</b><br>   | 013   | 3/4"                      | 3 1/2" batt | 10"               | 1 layer/16" o.c.     |     |             | 50     | 55           | 51              | 57         |       |
|  | 025   | 1"                        | 3 1/2" batt | 10"               | 1 layer/16" o.c.     |     |             | 52     | 55           | 53              | 54         |       |
|  | 040   | 1 1/4"                    | 3 1/2" batt | 10"               | 1 layer/16" o.c.     |     | 50          | 53     | 54           | 50              | 54         |       |
|  | 075   | 1 1/2"                    | 3 1/2" batt | 10"               | 1 layer/16" o.c.     |     | 52          |        |              | 52              | 55         |       |
|  | 025 MT  | 1"                        | 3 1/2" batt | 10"               | 1 layer/16" o.c.     |     | 55          | 74     | 57           | 57              | 52         |       |
|  | 040 MT  | 1 1/4"                    | 3 1/2" batt | 10"               | 1 layer/16" o.c.     |     | 53          | 68     | 55           |                 | 54         | 53    |
|  | <b>UL: L006, L201, L202, L206, L208, L209, L210, L211, L212, L501, L502, L503, L504, L505, L506, L507, L508, L509, L510, L511, L512, L513, L514, L515, L516, L517, L519, L520, L522, L523, L525, L526, L532, L533, L535, L536, L537, L539, L540, L541, L545, L557, L569, L588, L593, L598, M504, M514, M517, M518, M519, M528, M531, M538</b> |                           |             |                   |                      |     |             |        |              |                 |            |       |
| <b>I JOIST</b><br>  | 013   | 3/4"                      | 3 1/2" batt | 11 7/8"           | 2 layers/16" o.c.    |     |             | 56     | 58           | 52              | 58         |       |
|  | 025   | 1"                        | 3 1/2" batt | 11 7/8"           | 1 layer/16" o.c.     |     |             | 54     | 57           | 53              | 53         |       |
|  | 040   | 1 1/2"                    | 5 1/2" batt | 14"               | 2 layers/24" o.c.    |     | 53          | 54     | 56           | 54              | 53         |       |
|  | 025 MT  | 1 1/4"                    | 3 1/2" batt | 11 7/8"           | 2 layers/12" o.c.    |     | 54          | 56     | 59           | 56              |            |       |
|  | 040 MT  | 1"                        | 3 1/2" batt | 11 7/8"           | 2 layers/16" o.c.    |     | 60          | 78     | 59           | 61              | 61         | 57    |
|  | <b>UL: L518, L530, L538, L547, L570, L583, L589, L590, M502, M506, M511, M512, M515, M530, M535</b>   |                           |             |                   |                      |     |             |        |              |                 |            |       |
| <b>STEEL JOIST</b><br>  | 025 MT  | 1"                        | 3 1/2" batt | 9 1/4"            | 1 layer/12" o.c.     |     | 54          | 57     | 56           | 55              | 54         |       |
|  | <b>UL: G553, G561, G565, G577, G578, G579, G580, G581, G582, L524, L527, L543, L549, L551, L552, L559, L560, L564, L565, L568, L573, M513, M536</b>   |                           |             |                   |                      |     |             |        |              |                 |            |       |
| <b>CONCRETE</b><br>   | NONE  | NONE                      | NONE        | 9"                | NONE                 |     | 28          |        |              |                 |            |       |
|  | 013   | 3/4"                      | NONE        | 9"                | NONE                 |     | 48          |        |              |                 | 55         |       |
|  | 025   | 1"                        | NONE        | 6"                | NONE                 |     |             |        |              |                 | 54         |       |
|  |   | 1"                        | YES         | 6"                | with ceiling         |     |             |        | 68           |                 | 63         |       |
|  | 040   | 1"                        | NONE        | 6"                | NONE                 |     |             |        |              | 55              | 53         |       |
|  |   | 1"                        | YES         | 6"                | with ceiling         |     |             |        |              | 68              | 64         |       |
|  | 2 3/4"  | NONE                      | 8"          | NONE              |                      | 56  |             |        |              |                 | 63         |       |
| <b>UL: J917, J919, J920, J924, J927, J931, J957, J991, J994</b>  |   |                           |             |                   |                      |     |             |        |              |                 |            |       |
| <b>WOOD TIMBER RETROFIT</b><br>   | 025   | 1"                        | NONE        | App 14"           | NONE                 |     |             |        |              | 52              | 51         |       |
|  | 075 N   | 2"                        | NONE        | App 12"           | NONE                 |     | 52          | 52     | 55           | 55              | 58         |       |
|  | 025 MT  | 2"                        | NONE        | App 12"           | NONE                 |     | 47          | 47     | 50           | 50              | 58         |       |
|  | 075 N MT  | 2"                        | NONE        | App 12"           | NONE                 |     | 56          | 58     | 59           | 59              |            | 60    |

QUIET QURL® is a component in an overall floor/ceiling assembly. Its performance is affected by every other component and the likelihood of achieving code compliance is contingent upon many other trades including framers, plumbers, drywall contractors to name a few. Developers and general contractors are responsible for building properly and testing field performance as soon as possible in order to assure the reliability of the project.

WARNING: Laboratory tests are not a guarantee of field performance because of the issues noted above and many other design errors that may occur. Please consult a professional acoustical consultant to assure plans are proper and that the floor/ceiling assembly can perform to expectations.



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