



Results you can see but not hear.



| Floor System        | UL Number  | Sound Mat  | LEVELROCK® Floor Underlayment™ | Insulation  | Truss (Framing Member) Depth | RC-1 Channel | SHEETROCK® brand FIRECODE® C CORE Gypsum Panels | Floor Covering | Sound Rating |                   | Test Number       |            |
|---------------------|------------|------------|--------------------------------|-------------|------------------------------|--------------|---|----------------|--------------|-------------------|-------------------|------------|
|                     |            |            |                                |             |                              |              |   |                | STC          | IIC               | STC               | IIC        |
| Open Web Wood Joist | L521       | SAM-N12    | 3/4"                           | 3-1/2" batt | 18"                          | 12" o.c.     | 1 layer 5/8"                                    | none           | 55           |                   | 100528151CRT-002G |            |
|                     | L546       | 1/8" mat   |                                |             |                              |              |   | sheet vinyl    | 50           |                   | 100528151CRT-001L |            |
|                     | L550       |            |                                |             |                              |              |   | vinyl plank    | 51           |                   | 100528151CRT-001M |            |
|                     | L558       |            |                                |             |                              |              |   | laminate       | 50           |                   | 100528151CRT-001M |            |
|                     | L562       |            |                                |             |                              |              |   | eng. hardwood  | 51           |                   | 100528151CRT-001M |            |
|                     | L563       |            |                                |             |                              |              |   | ceramic tile*  | 53           |                   | 100528151CRT-001M |            |
|                     | L574       |            |                                |             |                              |              |   | carpet & pad   | 71           |                   | 100528151CRT-001M |            |
|                     | L576       | SAM-N25    | 1"                             | 3-1/2" batt | 18"                          | 16" o.c.     | 1 layer 5/8"                                    | none           | 63           |                   | USG090301A        |            |
|                     | L585       | 1/4" mat   |                                |             |                              |              |   | sheet vinyl    | 61           |                   | USG090401A        |            |
|                     | L592       |            |                                |             |                              |              |   | laminate       | 62           | 53                | USG090302A        | USG090302A |
|                     | M503       |            |                                |             |                              |              |   | ceramic tile*  | 64           | 54                | USG090501A        | USG090501A |
|                     | M508       |            |                                |             |                              |              |   | carpet & pad   | 62           | 80                | USG090402A        | USG090402A |
|                     |            | SAM-N25    | 1"                             | 3-1/2" batt | 18"                          | 12" o.c.     | 1 layer 5/8"                                    | none           | 52           |                   | 100528151CRT-001D |            |
|                     |            | 1/4" mat   |                                |             |                              |              |   | sheet vinyl    | 54           |                   | 100528151CRT-001D |            |
|                     |            |            |                                |             |                              |              | vinyl plank                                     | 55             |              | 100528151CRT-001D |                   |            |
|                     | SAM-N40    | 1"         | 3-1/2" batt                    | 18"         | 16" o.c.                     | 1 layer 5/8" | none  | 62             | 53           | USG081101R        | USG081101R        |            |
|                     | 3/8" mat   |            |                                |             |                              |              | sheet vinyl                                     | 62             | 55           | USG081102R        | USG081102R        |            |
|                     |            |            |                                |             |                              |              | laminate  | 62             | 55           | USG081104R        | USG081104R        |            |
|                     |            |            |                                |             |                              |              | ceramic tile*                                   | 62             | 56           | USG090101R        | USG090101R        |            |
|                     |            |            |                                |             |                              |              | carpet & pad                                    | 61             | 80           | USG081103R        | USG081103R        |            |
|                     | SRB        | 3/8" board | 3-1/2" batt                    | 12"         | 16" o.c.                     | 1 layer 5/8" | none  | 61             |              | USG 060101        |                   |            |
|                     |            |            |                                |             |                              |              | sheet vinyl                                     | 63             | 53           | RAL OT06-03       | RAL OT06-04       |            |
|                     |            |            |                                |             |                              |              | laminate  | 63             | 52           | RAL OT06-01       | RAL OT06-02       |            |
|                     |            |            |                                |             |                              |              | ceramic tile*                                   | 63             | 54           | RAL OT06-05       | RAL OT06-06       |            |
|                     | SRM-25     | 1"         | 3-1/2" batt                    | 12"         | 16" o.c.                     | 1 layer 5/8" | none  | 52             |              | USG-031209        |                   |            |
|                     | Ready Seam | 1/4" mat   |                                |             |                              |              | sheet vinyl                                     | 62             | 53           | RAL OT04-01       | RAL OT04-02       |            |
|                     |            |            |                                |             |                              |              | cushioned vinyl                                 | 62             | 55           | RAL OT04-03       | RAL OT04-04       |            |
|                     |            |            |                                |             |                              |              | laminate  | 61             | 55           | RAL OT04-07       | RAL OT04-08       |            |
|                     |            |            |                                |             |                              |              | ceramic tile*                                   | 62             | 54           | RAL OT04-11       | RAL OT04-12       |            |
|                     |            |            |                                |             |                              |              | carpet & pad                                    | 62             | 81           | RAL OT04-09       | RAL OT04-06       |            |

# LEVELROCK®



## Sound Attenuation


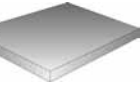
### Sound/Fire Rating Guide

# DESIGN for Fire and Sound

| Floor System   | UL Number                   | Sound Mat                            | LEVELROCK® Floor Underlayment <sup>(a)</sup> | Insulation  | Truss (Framing Member) Depth | RC-1 Channel          | SHEETROCK® brand FIRECODE® C CORE Gypsum Panels                         | Floor Covering              | Sound Rating               |                 | Test Number       |              |               |      |                   |                 |                 |
|--|-----------------------------|--------------------------------------|--|-------------|------------------------------|-----------------------|---|-----------------------------|----------------------------|-----------------|-------------------|--------------|---------------|------|-------------------|-----------------|-----------------|
|  |                             |                                      |  |             |                              |                       |   |                             | STC                        | IIC             | STC               | IIC          |               |      |                   |                 |                 |
| <b>Open Web Wood Joist</b><br>       | L521                        | <b>SAM-N12</b><br>1/8" mat           | 3/4"   | 3-1/2" batt | 18"                          | 12" o.c.              | 1 layer 5/8"  | none                        | 55                         |                 | 100528151CRT-002G |              |               |      |                   |                 |                 |
|  | L546                        |                                      |  |             |                              |                       |   | sheet vinyl                 | 50                         |                 | 100528151CRT-001L |              |               |      |                   |                 |                 |
|  | L550                        |                                      |  |             |                              |                       |   | vinyl plank                 | 51                         |                 | 100528151CRT-001M |              |               |      |                   |                 |                 |
|  | L558                        |                                      |  |             |                              |                       |   | laminate                    | 50                         |                 | 100528151CRT-001M |              |               |      |                   |                 |                 |
|  | L562                        |                                      |  |             |                              |                       |   | eng. hardwood               | 51                         |                 | 100528151CRT-001M |              |               |      |                   |                 |                 |
|  | L563                        |                                      |  |             |                              |                       |   | ceramic tile <sup>(b)</sup> | 53                         |                 | 100528151CRT-001M |              |               |      |                   |                 |                 |
|  | L574                        |                                      |  |             |                              |                       |   | carpet & pad                | 71                         |                 | 100528151CRT-001M |              |               |      |                   |                 |                 |
|  | L576                        |                                      |  |             |                              |                       |   | <b>SAM-N25</b><br>1/4" mat  | 3-1/2" batt                | 18"             | 16" o.c.          | 1 layer 5/8" | none          | 63   |                   | USG090301A      |                 |
|  | L585                        | sheet vinyl                          | 61   |             | USG090401A                   |                       |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
|  | L592                        | laminate                             | 62   | 53          | USG090302A                   | USG090302A            |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
|  | M503                        | ceramic tile <sup>(b)</sup>          | 64   | 54          | USG090501A                   | USG090501A            |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
|  | M508                        | carpet & pad                         | 62   | 80          | USG090402A                   | USG090402A            |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
|  |                             | <b>SAM-N25</b><br>1/4" mat           | 3-1/2" batt                                  | 18"         | 12" o.c.                     | 1 layer 5/8"          | none  |                             |                            |                 |                   |              | 52            |      | 100528151CRT-0010 |                 |                 |
|  |                             |                                      |  |             |                              |                       | sheet vinyl   |                             |                            |                 |                   |              | 54            |      | 100528151CRT-0010 |                 |                 |
|  |                             |                                      |  |             |                              |                       | vinyl plank   |                             |                            |                 |                   |              | 55            |      | 100528151CRT-0010 |                 |                 |
|  |                             | <b>SAM-N40</b><br>3/8" mat           | 3-1/2" batt                                  | 18"         | 16" o.c.                     | 1 layer 5/8"          | none  | 62                          | 53                         | USG081101R      | USG081101R        |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | sheet vinyl   | 62                          | 55                         | USG081102R      | USG081102R        |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | laminate  | 62                          | 55                         | USG081104R      | USG081104R        |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | ceramic tile <sup>(b)</sup>   | 62                          | 56                         | USG090101R      | USG090101R        |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | carpet & pad  | 61                          | 80                         | USG081103R      | USG081103R        |              |               |      |                   |                 |                 |
|  |                             | <b>SRB</b><br>3/8" board             | 3-1/2" batt                                  | 12"         | 16" o.c.                     | 1 layer 5/8"          | none  | 61                          |                            | USG 060101      |                   |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | sheet vinyl   | 63                          | 53                         | RAL OT06-03     | RAL OT06-04       |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | laminate  | 63                          | 52                         | RAL OT06-01     | RAL OT06-02       |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | ceramic tile <sup>(b)</sup>   | 63                          | 54                         | RAL OT06-05     | RAL OT06-06       |              |               |      |                   |                 |                 |
|  |                             | <b>SRM-25 READY SEAM</b><br>1/4" mat | 3-1/2" batt                                  | 12"         | 16" o.c.                     | 1 layer 5/8"          | none  | 52                          |                            | USG-031209      |                   |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | sheet vinyl   | 62                          | 53                         | RAL OT04-01     | RAL OT04-02       |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | cushioned vinyl   | 62                          | 55                         | RAL OT04-03     | RAL OT04-04       |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | laminate  | 61                          | 55                         | RAL OT04-07     | RAL OT04-08       |              |               |      |                   |                 |                 |
|  | ceramic tile <sup>(b)</sup> |                                      |  |             |                              |                       | 62  | 54                          | RAL OT04-11                | RAL OT04-12     |                   |              |               |      |                   |                 |                 |
|  | carpet & pad                |                                      |  |             |                              |                       | 62  | 81                          | RAL OT04-05                | RAL OT04-06     |                   |              |               |      |                   |                 |                 |
|  | none                        | 3/4"                                 | 3-1/2" batt                                  | 18"         | 16" o.c.                     | 1 layer 5/8"          | sheet vinyl   | 58                          | 48                         | RAL TL97-340    | RAL IN97-47       |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | carpet & pad  | 76                          |                            |                 | RAL IN97-48       |              |               |      |                   |                 |                 |
|  | L528                        | none                                 | 3/4"   | none        | 12"                          | 16" o.c.              | 1 layer 5/8"  | carpet & pad                | 53                         | 60              | RAL TL04-321      | RAL IN04-019 |               |      |                   |                 |                 |
|  | L529                        |                                      |  |             |                              |                       |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
|  | L534                        |                                      |  |             |                              |                       |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
|  | L542                        |                                      |  |             |                              |                       |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
| <b>Engineered Wood I-Joist</b><br> | L570                        | <b>SAM-N12</b><br>1/8" mat           | 3/4"   | 3-1/2" batt | 12"                          | 16" o.c.              | Note – This product complies with Type X requirements.<br>2 layers 5/8" | none                        | 55                         |                 | 100528151CRT-002I |              |               |      |                   |                 |                 |
|  | L589                        |                                      |  |             |                              |                       |   | sheet vinyl                 | 54                         |                 | 100528151CRT-001S |              |               |      |                   |                 |                 |
|  | M502                        |                                      |  |             |                              |                       |   | vinyl plank                 | 53                         |                 | 100528151CRT-001T |              |               |      |                   |                 |                 |
|  | M506                        |                                      |  |             |                              |                       |   | eng. hardwood               | 56                         |                 | 100528151CRT-001R |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       |   | ceramic tile <sup>(b)</sup> | 54                         |                 | 100528151CRT-001V |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       |   | carpet & pad                | 80                         |                 | 100528151CRT-001U |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       |   |                             | <b>SAM-N25</b><br>1/4" mat | 3-1/2" batt     | 9-1/2"            | 16" o.c.     | 2 layers 5/8" | none | 53                |                 | 3166866CRT-001C |
|  |                             |                                      |  |             |                              |                       |   | sheet vinyl                 |                            |                 |                   |              |               | 50   |                   | 3166866CRT-002C |                 |
|  |                             | laminate                             | 53   |             | 3166866CRT-002C              |                       |   |                             |                            |                 |                   |              |               |      |                   |                 |                 |
|  |                             |                                      | <b>SAM-N40</b><br>3/8" mat                   | 3-1/2" batt | 9-1/2"                       | 16" o.c.              | 2 layers 5/8"   | ceramic tile <sup>(b)</sup> | 53                         |                 | 3166866CRT-002C   |              |               |      |                   |                 |                 |
|  |                             | none                                 |  |             |                              |                       |   | 53                          | 51                         | 3166866CRT-001D | 3166866CRT-002D   |              |               |      |                   |                 |                 |
|  |                             | sheet vinyl                          |  |             |                              |                       |   | 53                          |                            | 3166866CRT-002D |                   |              |               |      |                   |                 |                 |
|  |                             |                                      | <b>SRM-25 READY SEAM</b><br>1/4" mat         | 3-1/2" batt | 14"                          | 16" o.c. & GENIECLIP™ | 2 layers 1/2"   | laminate                    | 57                         |                 | 3166866CRT-002D   |              |               |      |                   |                 |                 |
|  |                             | ceramic tile <sup>(b)</sup>          |  |             |                              |                       |   | 53                          |                            | 3166866CRT-002D |                   |              |               |      |                   |                 |                 |
|  |                             | none                                 |  |             |                              |                       |   | 61                          | 60                         | RAL-TL12-116    | RAL-IN12-016      |              |               |      |                   |                 |                 |
|  |                             | sheet vinyl                          |  |             |                              |                       |   | 60                          |                            |                 | RAL-IN12-017      |              |               |      |                   |                 |                 |
|  |                             | none                                 | 1"   | 3-1/2" batt | 14"                          | 16" o.c.              | 2 layers 1/2"   | laminate                    | 62                         |                 | RAL-IN12-019      |              |               |      |                   |                 |                 |
|  | eng. Hardwood               |                                      |  |             |                              |                       |   | 63                          |                            |                 | RAL-IN12-020      |              |               |      |                   |                 |                 |
|  |                             |                                      |  |             |                              |                       | ceramic tile <sup>(b)</sup>   | 63                          |                            |                 | RAL-IN12-014      |              |               |      |                   |                 |                 |
|  | none                        |                                      |  |             |                              |                       | carpet & pad  | 54                          | 64                         | RAL-TL11-262    | RAL-IN11-011      |              |               |      |                   |                 |                 |

It is important to consider both acoustic separation and fire protection when designing floor assemblies. Use this table to determine STC and IIC ratings for various 1-hour rated floor systems using LEVELROCK® floor underlayment and LEVELROCK™ sound board or sound mats.

| Floor System  | UL Number | Sound Mat  | LEVELROCK® Floor Underlayment <sup>(a)</sup> | Insulation                 | Truss (Framing Member) Depth | RC-1 Channel | SHEETROCK® brand FIRECODE® C CORE Gypsum Panels | Floor Covering              | Sound Rating |                   | Test Number       |                    |                   |                    |    |    |                   |                   |                   |
|---|-----------|--|--|----------------------------|------------------------------|--------------|---|-----------------------------|--------------|-------------------|-------------------|--------------------|-------------------|--------------------|----|----|-------------------|-------------------|-------------------|
|   |           |  |  |                            |                              |              |   |                             | STC          | IIC               | STC               | IIC                |                   |                    |    |    |                   |                   |                   |
| <b>Engineered Wood I-Joist</b><br> | L570      | <b>SAM-N25</b><br>1/4" mat   | 1"   | 3-1/2" batt                | 12"                          | 16" o.c.     | 2 layers 5/8"                                   | none                        | 54           |                   | 100452088CRT-002A |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   | sheet vinyl                 |              | 55                |                   | 100452088CRT-001A  |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   | vinyl plank                 |              | 52                |                   | 100452088CRT-001A  |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   | ceramic tile <sup>(b)</sup> |              | 53                |                   | 100452088CRT-001A  |                   |                    |    |    |                   |                   |                   |
|   |           | <b>SRB</b><br>3/8" board   | 3/4"   | 3-1/2" batt                | 9-1/2"                       | 16" o.c.     | 2 layers 1/2"                                   | sheet vinyl                 | 65           | 54                | RAL OT03-01       |                    | RAL OT03-02       |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   | laminate                    | 65           | 61                | RAL OT02-03       |                    | RAL OT02-04       |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   | ceramic tile <sup>(b)</sup> | 66           | 51                | RAL OT03-03       |                    | RAL OT03-04       |                    |    |    |                   |                   |                   |
|   |           | <b>SRM-25 READY SEAM</b><br>1/4" mat   | 1"   | 3-1/2" batt                | 9-1/2"                       | 16" o.c.     | 2 layers 1/2"                                   | sheet vinyl                 | 64           | 58                | RAL-OT03-05       |                    | RAL-OT03-06       |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   | laminate                    | 64           | 62                | RAL-OT03-07       |                    | RAL-OT03-08       |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   | ceramic tile <sup>(b)</sup> | 66           | 54                | RAL-OT03-09       |                    | RAL-OT03-10       |                    |    |    |                   |                   |                   |
|   |           | <b>Dimensional Wood Joist</b><br> | L502<br>L515<br>L533<br>L545<br>L569<br>L590 | <b>SAM-N12</b><br>1/8" mat | 3/4"                         | 3-1/2" batt  | 2" x 10"  | 16" o.c.                    | 1 layer 5/8" | none              | 53                |                    | 100528151CRT-002C |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              |   |                             |              | sheet vinyl       |                   | 51                 |                   | 100528151CRT-001CB |    |    |                   |                   |                   |
| laminate  |           |  |  |                            |                              |              |   |                             |              | 51                |                   | 100528151CRT-001CB |                   |                    |    |    |                   |                   |                   |
| eng. hardwood   |           |  |  |                            |                              |              |   |                             |              | 54                |                   | 100528151CRT-001CB |                   |                    |    |    |                   |                   |                   |
| ceramic tile <sup>(b)</sup>   |           |  |  |                            |                              |              |   |                             |              | 51                |                   | 100528151CRT-001CB |                   |                    |    |    |                   |                   |                   |
| carpet & pad  |           |  |  |                            |                              |              |   |                             |              | 75                |                   | 100528151CRT-001CB |                   |                    |    |    |                   |                   |                   |
| <b>SAM-N25</b><br>1/4" mat  | 1"        |  |  |                            |                              |              |   |                             |              | 3-1/2" batt       | 2" x 10"          | 24" o.c.           | 1 layer 5/8"      | none               | 55 | 50 | 100528151CRT-002A |                   | 100528151CRT-001A |
|   |           |  |  |                            |                              |              |   |                             |              |                   |                   |                    |                   | sheet vinyl        |    | 54 |                   | 100528151CRT-001A |                   |
|   |           |  |  |                            |                              |              |   |                             |              |                   |                   |                    |                   | vinyl plank        |    | 54 |                   | 100528151CRT-001A |                   |
|   |           |  |  |                            |                              |              |   |                             |              |                   |                   |                    |                   | eng. hardwood      |    | 55 |                   | 100528151CRT-001A |                   |
| <b>SAM-N25</b><br>1/4" mat  | 1"        |  | 3-1/2" batt                                  | 2" x 12"                   | 16" o.c.                     | 1 layer 5/8" | ceramic tile <sup>(b)</sup>                     |                             | 50           |                   | 100528151CRT-001A |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | none  | 53                          |              | 3177964CRT-001AB  |                   |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | sheet vinyl                                     |                             | 51           |                   | 3177964CRT-002AB  |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | laminate  |                             | 55           |                   | 3177964CRT-002AB  |                    |                   |                    |    |    |                   |                   |                   |
| <b>SAM-N40</b><br>3/8" mat  | 1"        |  | 3-1/2" batt                                  | 2" x 10"                   | 16" o.c.                     | 1 layer 5/8" | ceramic tile <sup>(b)</sup>                     |                             | 50           |                   | 3177964CRT-002AB  |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | none  | 52                          |              | 100528151CRT-002D |                   |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | sheet vinyl                                     |                             | 54           |                   | 100528151CRT-001D |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | vinyl plank                                     |                             | 51           |                   | 100528151CRT-001D |                    |                   |                    |    |    |                   |                   |                   |
| <b>SRB</b><br>3/8" board  | 3/4"      |  | 3-1/2" batt                                  | 2" x 10"                   | 16" o.c.                     | 1 layer 5/8" | laminate  |                             | 57           |                   | 100528151CRT-001D |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | eng. hardwood                                   |                             | 54           |                   | 100528151CRT-001D |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | ceramic tile <sup>(b)</sup>                     |                             | 55           |                   | 100528151CRT-001D |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | carpet & pad                                    |                             | 78           |                   | 100528151CRT-001D |                    |                   |                    |    |    |                   |                   |                   |
| <b>SRM-25 READY SEAM</b><br>1/4" mat  | 1"        |  | 3-1/2" batt                                  | 2" x 10"                   | 16" o.c.                     | 1 layer 5/8" | sheet vinyl                                     | 57                          |              | RAL-TL04-101      |                   |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | cushioned vinyl                                 | 58                          | 50           | RAL-TL04-100      |                   | RAL-IN04-013       |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | laminate  | 58                          | 51           | RAL-TL04-099      |                   | RAL-IN04-012       |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | carpet & pad                                    | 58                          | 73           | RAL-TL04-097      |                   | RAL-IN04-010       |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | none  | 59                          |              | RAL-TL04-030      |                   |                    |                   |                    |    |    |                   |                   |                   |
|   |           |  |  |                            |                              |              | sheet vinyl                                     | 58                          | 51           | RAL-TL04-031      |                   | RAL-IN04-004       |                   |                    |    |    |                   |                   |                   |
|   |           | cushioned vinyl  |  |                            |                              |              | 59  | 54                          | RAL-TL04-033 |                   | RAL-IN04-006      |                    |                   |                    |    |    |                   |                   |                   |
|   |           | laminate   |  |                            |                              |              | 58  | 55                          | RAL-TL04-034 |                   | RAL-IN04-007      |                    |                   |                    |    |    |                   |                   |                   |
| ceramic tile <sup>(b)</sup>   | 59        | 52   | RAL-TL04-067                                 |                            | RAL-IN04-009                 |              |   |                             |              |                   |                   |                    |                   |                    |    |    |                   |                   |                   |
| carpet & pad  | 59        | 77   | RAL-TL04-032                                 |                            | RAL-IN04-005                 |              |   |                             |              |                   |                   |                    |                   |                    |    |    |                   |                   |                   |

| Floor System  | UL Number            | Sound Mat                            | LEVELROCK® Floor Underlayment <sup>(a)</sup> | Insulation  | Truss (Framing Member) Depth | RC-1 Channel                  | SHEETROCK® brand FIRECODE® C CORE Gypsum Panels | Floor Covering              | Sound Rating                |                             | Test Number |              |              |              |
|---|----------------------|--------------------------------------|--|-------------|------------------------------|-------------------------------|---|-----------------------------|-----------------------------|-----------------------------|-------------|--------------|--------------|--------------|
|   |                      |                                      |  |             |                              |                               |   |                             | STC                         | IIC                         | STC         | IIC          |              |              |
|   | G551<br>G559<br>G564 | <b>SRM-25 READY SEAM</b><br>1/4" MAT | 1"   | 3-1/2" batt | 14"                          |                               | USG Drywall Suspension System                   | 1 layer 5/8"                | sheet vinyl                 | 64                          | 55          | RAL-OT05-09  | RAL-OT05-10  |              |
|   |                      |                                      |  |             |                              |                               |   |                             | laminate                    | 63                          | 58          | RAL-OT05-13  | RAL-OT05-14  |              |
|   |                      |                                      |  |             |                              |                               |   |                             | ceramic tile <sup>(b)</sup> | 65                          | 51          | RAL-OT05-15  | RAL-OT05-16  |              |
|   |                      |                                      |  |             |                              |                               |   |                             | carpet & pad                | 63                          | 81          | RAL-OT05-11  | RAL-OT05-12  |              |
|   |                      | none                                 | 1"   | 3-1/2" batt | 14"                          | 12" o.c.                      | 1 layer 5/8"                                    |                             | none                        | 58                          |             | USG-041103   |              |              |
|   |                      |                                      |  |             |                              |                               |   |                             | laminate                    | 58                          | 54          | RAL-OT05-01  | RAL-OT05-02  |              |
|   |                      |                                      |  |             |                              |                               |   |                             | carpet & pad                | 58                          | 79          | RAL-OT04-23  | RAL-OT04-24  |              |
|   |                      |                                      |  |             |                              |                               |   |                             | none                        | 62                          |             | USG-050104   |              |              |
|   |                      | none                                 | 1"   | 3-1/2" batt | 14"                          | USG Drywall Suspension System | 1 layer 5/8"                                    |                             | laminate                    | 62                          | 58          | RAL-OT05-05  | RAL-OT05-06  |              |
|   |                      |                                      |  |             |                              |                               |   |                             | carpet & pad                | 61                          | 81          | RAL-OT05-03  | RAL-OT05-04  |              |
|   |                      |                                      |  |             |                              |                               |   |                             | none                        | 59                          |             | RAL-TL07-132 |              |              |
|   |                      |                                      |  |             |                              |                               |   |                             | sheet vinyl                 | 58                          | 54          | RAL-TL07-134 | RAL-IN07-007 |              |
|  | N/A                  | <b>D20 PLUS</b><br><1/8" mat         | 1/2"   | none        | 6"                           | none                          | none  | none                        | 51                          | +20                         | NGC5008028  | NGC7008068   |              |              |
|   |                      |                                      |  |             |                              |                               |   | sheet vinyl                 |                             | +20                         |             | NGC7008072   |              |              |
|   |                      |                                      |  |             |                              |                               |   | laminate                    |                             | +19                         |             | NGC7008070   |              |              |
|   |                      |                                      |  |             |                              |                               |   | ceramic tile <sup>(b)</sup> |                             | +21                         |             | NGC7008079   |              |              |
|   |                      |                                      | <b>SRM-25 READY SEAM</b><br>1/4" mat         | 1"          | none                         | 6"                            | none  | none                        | none                        | none                        |             | 50           |              | RAL-IN03-008 |
|   |                      |                                      |  |             |                              |                               |   |                             |                             | sheet vinyl                 | 56          |              | RAL-TL03-176 |              |
|   |                      |                                      |  |             |                              |                               |   |                             |                             | laminate                    | 54          | 50           | RAL-TL03-177 | RAL-IN03-007 |
|   |                      |                                      |  |             |                              |                               |   |                             |                             | ceramic tile <sup>(b)</sup> | 56          | 51           | RAL-TL03-210 | RAL-IN03-010 |
|   | none                 | 1"                                   | none   | 6"          | none                         | none                          | none  | carpet & pad                |                             | 77                          |             | RAL-IN03-009 |              |              |
|   |                      |                                      |  |             |                              |                               |   | none                        |                             | 26                          |             | RAL-IN13-014 |              |              |

**Notes**

- (a) LEVELROCK floor underlayments have been tested with other sound mats. Contact USG for details.
- (b) Ceramic tile installation requires crack isolation membrane.

**Product Information**

See usg.com for the most up-to-date product information.  
**Warning**  
 When mixed with water, this material hardens and becomes very hot—sometimes quickly. DO NOT attempt to make a cast enclosing any part of the body using this material. Failure to follow these instructions can cause severe burns that may require surgical removal of affected tissue or amputation of limb. Portland cement is strongly alkaline. Direct contact can be corrosive and cause severe damage or chemical burns to the eyes and

skin. Avoid contact with eyes and skin. Wear eye protection, alkali-resistant protective gloves, long-sleeved shirts and pants to prevent direct contact. If eye contact occurs, immediately flush thoroughly with water for 30 minutes and seek medical advice. Inhalation of dust may be corrosive or cause chemical burns or irritation to nose, throat and respiratory tract. Avoid breathing dust. Use in a well-ventilated area or provide sufficient local ventilation. If dusty, wear a NIOSH/ MSHA-approved dust respirator. Wash thoroughly with soap

and water after use. Do not ingest. If ingested, call physician. Product safety information: 800.507.8899 or www.usg.com.  
**KEEP OUT OF REACH OF CHILDREN.**  
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**Safety First!**

Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read MSDS and literature before specification and installation.



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