

# IWB verbouwingsdetails

| Constructie: <b>Houten vloer</b>   |       |                   |      |     |      |     | bouwstijlperiode: 1920-40   |       |                   |      |  | type <b>VH</b> <b>1924.02</b> |       |      |                            |      |  |  |
|--|-------|-------------------|------|-----|------|-----|---|-------|-------------------|------|--|-------------------------------|-------|------|----------------------------|------|--|--|
| Bestaande constructie  |       |                   |      |     |      |     | Nieuwe constructie  |       |                   |      |  |                               |       |      |                            |      |  |  |
| basis  | Dikte | Massa             | DNTA | ILU | LNTA | Ico | Variant   | Dikte | Massa             | DNTA | DNTA;k   | ILU                           | ILU;k | LNTA | Ico                        |      |  |  |
| Vloertype  | mm    | kg/m <sup>2</sup> | dB   | dB  | dB   | dB  |   | mm    | kg/m <sup>2</sup> | dB   | dB   | dB                            | dB    | dB   | dB                         |      |  |  |
| 1924   | 292   | 51                | 41*  | -10 | 65*  | -6  | 1924.02   | 497   | 80                | 54   | 54   | 3                             | 4     | 46   | 12                         |      |  |  |
| bestaande constructie  |       |                   |      |     |      |     |   |       |                   |      | nr   |                               | dikte |      | materiaal                  |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 1  |                               | 22    |      | Houten vloerdelen          |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 2  |                               | 240   |      | balklaag 75 x 240 hoh 600  |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 3  |                               | 20    |      | regels                     |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 4  |                               | 10    |      | stucwerk tegen balklaag    |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | Geluidgegevens in dB   |                               |       |      |                            |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | Hz   | 125                           | 250   | 500  | 1000                       | 2000 |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | DnT  |                               |       |      |                            |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | LnT  |                               |       |      |                            |      |  |  |
| Bronvermelding:  |       |                   |      |     |      |     | Rapport 1441 Geluidconsult bv 22-10-2010  |       |                   |      |  |                               |       |      |                            |      |  |  |
| gemeten:   |       |                   |      |     |      |     |   |       |                   |      |  |                               |       |      |                            |      |  |  |
| Verbeterde constructie   |       |                   |      |     |      |     |   |       |                   |      | nr   |                               | dikte |      | materiaal                  |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 1  |                               | 20    |      | fermacell                  |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 2  |                               | 10    |      | minerale wol Knauf Brio    |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 3  |                               | 22    |      | bestaand vloerhout         |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 4  |                               | 240   |      | bestaande balklaag         |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 5  |                               | 80    |      | minerale wol met gaasdeken |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 7  |                               | 100   |      | metal stud profiel         |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 8  |                               | 12.5  |      | gipskarton                 |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | 9  |                               | 12.5  |      | gipskarton                 |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      |  |                               |       |      |                            |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | Hz   | 125                           | 250   | 500  | 1000                       | 2000 |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | DnT  | 43                            | 45    | 51   | 57                         | 61   |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | LnT  | 59                            | 57    | 47   | 38                         | 31   |  |  |
| Bronvermelding:  |       |                   |      |     |      |     | Rapport 1442 Geluidconsult bv d.d. 22-10-2010   |       |                   |      |  |                               |       |      |                            |      |  |  |
| gemeten:   |       |                   |      |     |      |     | Project Hofmeyrstraat ; Transvaalkade 131-3 naar 1131-2 Amsterdam d.d. 13-10-2011           |       |                   |      |  |                               |       |      |                            |      |  |  |
| Genomen maatregelen:   |       |                   |      |     |      |     |   |       |                   |      | Praktische tips  |                               |       |      |                            |      |  |  |
| gipskarton plafond wordt opgehangen aan 100 mm C-profielen bevestigd aan de wand |       |                   |      |     |      |     |   |       |                   |      |  |                               |       |      |                            |      |  |  |
|  |       |                   |      |     |      |     |   |       |                   |      | Brandvertraging circa 80 min.<br>Voldoet aan brandwerendheid 60 min door dubbele gipskartonplaten. |                               |       |      |                            |      |  |  |
| Vereniging BWT Nederland   |       |                   |      |     |      |     | * berekend uit I <sub>lu</sub> met DNTA= I <sub>lu</sub> + 51 resp LNTA= 59-I <sub>co</sub> |       |                   |      |  | versie:                       |       |      |                            |      |  |  |
|  |       |                   |      |     |      |     | IWB Intergemeentelijke werkgroep Bouwfysica werkgroep Geluid                                |       |                   |      |  | datum : 1-11-2012             |       |      |                            |      |  |  |