



chipped with blue ID plug



# ALULIGHT<sup>®</sup>

## Datasheet

| THICKNESS<br>(mm) | THERMAL<br>CONDUCTIVITY<br>W/(m <sup>2</sup> .K)<br>U <sub>p</sub> /N <sub>i</sub> /i | WEIGHT<br>(approx. kg.)<br>and per m <sup>2</sup> | SHAPE<br>STABILITY<br>CLASS | SOUND<br>REDUCTION<br>R <sub>w</sub> /C/C <sub>tr</sub> (dB) | FIRE<br>RESISTANCE*<br>(min.) | SKH-BGS-001<br>CERTIFIED | BURGLARY<br>RESISTANCE<br>CLASS |
|-------------------|---------------------------------------------------------------------------------------|---------------------------------------------------|-----------------------------|--------------------------------------------------------------|-------------------------------|--------------------------|---------------------------------|
| 40 mm             | 1.47/1.98/1.28                                                                        | 36/16                                             | 1 (≤8 mm)                   | -                                                            | -                             | -                        | 2                               |
| 54 mm             | 1.03/1.60/0.81                                                                        | 40/18                                             | 2 (< 4 mm)                  | -                                                            | -                             | SKH-005                  | 2                               |
| 56 mm             | 1.01/1.56/0.80                                                                        | 41/18                                             | 2 (≤4 mm)                   | -                                                            | -                             | SKH-005                  | 2                               |
| 66 mm             | 0.85/1.38/0.65                                                                        | 45/20                                             | 2 (≤4 mm)                   | -                                                            | -                             | SKH-005                  | 2                               |
| 75 mm             | 0.74/1.25/0.54                                                                        | 47/21                                             | 2 (< 4 mm)                  | -                                                            | -                             | SKH-005                  | 2                               |
| 87 mm             | 0.64/1.11/0.46                                                                        | 52/23                                             | 2 (≤4 mm)                   | -                                                            | -                             | SKH-005                  | 2                               |

### Legenda

|                           |                                                                                                                                                                                                                              |
|---------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Thickness                 | Thickness in mm.                                                                                                                                                                                                             |
| Thermal conductivity      | Calculated U <sub>p</sub> -value (U <sub>p</sub> - U <sub>panel</sub> ), according EN-ISO 10077-2<br>U <sub>p</sub> weighted U-value of panel<br>N <sub>i</sub> U-value of non-insulated part<br>i U-value of insulated part |
| Weight                    | Weight of the door blank and average weight in kg. per m <sup>2</sup>                                                                                                                                                        |
| Shape stability class     | Tested according BRL-0803 (NEN-EN 12219 and NEN-EN 1121) and guaranteed by Mill Panel                                                                                                                                        |
| Sound reduction           | According ISO 140-1, 140-2, 140-3 and ISO 717-1                                                                                                                                                                              |
| Fire resistance           | According EN 1634-1/2008                                                                                                                                                                                                     |
| SKH-BGS-certified         | SKH-BeoordelingsGrondslag (assessment base) regarding exterior door blanks analogous to KOMO-BRL 0803 for exterior timber doors                                                                                              |
| Burglary resistance class | Resistancy Class-2 according NEN-5096                                                                                                                                                                                        |

Values are based on door blanks, dimensions 2350 x 950 mm