

# TECHNICAL DATA SHEET



|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|---------|---------|---------|--|---------------------------------------|------------|--|--|--|--|----------------|----------------|--------|---------|---------|---------|-----------------|----------------|---------|---------|---------|---------|-----------|-----------|--|--|--|--|------------------|-------|--|--|--|--|-----------|---|--|--|--|--|-------------|---|--|--|--|--|-----------|---|--|--|--|--|-------------|---|--|--|--|--|
| Type                                  | Duco Acoustic Panel 250                                                                                                                                                                                                                                                                                                                                                                                                                                                                |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| DESCRIPTION                           | Louvre "build-in" wall grille with acoustic blades, heavy duty                                                                                                                                                                                                                                                                                                                                                                                                                         |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| SHAPE OF BLADE                        | Acoustic 300                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| PITCH                                 | 150 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| FRAME WIDTH                           | 25 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| EQUAL LEG OUTER FRAME                 | 37 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| FRAME DEPTH                           | 250 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| MIN. DIMENSIONS                       | Width:<br>Minimum 250mm, Maximum 2964mm (one grille) / With width >2964mm: grille split.<br>ATTENTION with height>=2400mm, width MUST be < 2400mm (transport)<br>Height:<br>Minimum 325mm, Maximum 2989mm, height variable in between<br>ATTENTION with width>=2400mm and <2964mm, height MUST be < 2400mm (transport)                                                                                                                                                                 |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| FIXATION                              | To the side, through holes provided in the side plates of the module (diameter 5.5 mm, recessed).<br>Fasteners depending on customer structure (not supplied by Duco)                                                                                                                                                                                                                                                                                                                  |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| REACTION TO FIRE                      | Damping material: A1 (EN 13501-1)                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| FIRE RESISTANCE                       | Damping material: non-combustible (NEN 6064)                                                                                                                                                                                                                                                                                                                                                                                                                                           |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| MESH                                  | - optional with insect mesh 2,3 x 2,3 mm<br>- optional with mesh 6 x 6 mm<br>- optional with mesh 20 x 20 mm                                                                                                                                                                                                                                                                                                                                                                           |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| DRIP TRAY PROFILE                     | non, standard bottom sill sloping to the outside slope 5 °                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| MATERIAL                              | Aluminium : EN AW-6063 T66 (EN 573-3)<br>Profile thickness : min. 1,5mm                                                                                                                                                                                                                                                                                                                                                                                                                |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| SURFACE TREATMENT                     | - standard aluminium anodised (15-20µm) according Qualanod<br>- polyester powder coated (60-80µm) according Qualicoat Seaside type A<br>- specific RAL codes and/or textured paint on request                                                                                                                                                                                                                                                                                          |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| VISUAL FREE AREA                      | 75%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| PHYSICAL FREE AREA                    | 31%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| AIR FLOW DATA                         | <table><tr><td>(EN13030)</td><td colspan="5">standard</td></tr><tr><td>Ce</td><td colspan="5">0,278</td></tr><tr><td>K-factor intake</td><td colspan="5">12,94</td></tr><tr><td>Cd</td><td colspan="5">0,275</td></tr><tr><td>K-factor exhaust</td><td colspan="5">13,22</td></tr></table>                                                                                                                                                                                             |         |         |         |         |  | (EN13030)                             | standard   |  |  |  |  | Ce             | 0,278          |        |         |         |         | K-factor intake | 12,94          |         |         |         |         | Cd        | 0,275     |  |  |  |  | K-factor exhaust | 13,22 |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| (EN13030)                             | standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| Ce                                    | 0,278                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| K-factor intake                       | 12,94                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| Cd                                    | 0,275                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| K-factor exhaust                      | 13,22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| WATER RESISTANCE                      | <table><tr><td>(EN13030)</td><td colspan="5">standard</td></tr><tr><td>v = 0 m/s</td><td colspan="5">C</td></tr><tr><td>v =0,5 m/s</td><td colspan="5">D</td></tr><tr><td>v = 1 m/s</td><td colspan="5">D</td></tr><tr><td>v = 1.5 m/s</td><td colspan="5">D</td></tr><tr><td>v = 2 m/s</td><td colspan="5">D</td></tr><tr><td>v = 2.5 m/s</td><td colspan="5">D</td></tr><tr><td>v = 3 m/s</td><td colspan="5">D</td></tr><tr><td>v = 3,5 m/s</td><td colspan="5">D</td></tr></table> |         |         |         |         |  | (EN13030)                             | standard   |  |  |  |  | v = 0 m/s      | C              |        |         |         |         | v =0,5 m/s      | D              |         |         |         |         | v = 1 m/s | D         |  |  |  |  | v = 1.5 m/s      | D     |  |  |  |  | v = 2 m/s | D |  |  |  |  | v = 2.5 m/s | D |  |  |  |  | v = 3 m/s | D |  |  |  |  | v = 3,5 m/s | D |  |  |  |  |
| (EN13030)                             | standard                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v = 0 m/s                             | C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v =0,5 m/s                            | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v = 1 m/s                             | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v = 1.5 m/s                           | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v = 2 m/s                             | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v = 2.5 m/s                           | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v = 3 m/s                             | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| v = 3,5 m/s                           | D                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| ACOUSTIC SPECS                        | <table><tr><td colspan="6">Rw(C;C<sub>tr</sub>) = 14(-1;-2) dB</td></tr><tr><td>125 Hz</td><td>250 Hz</td><td>500 Hz</td><td>1000 Hz</td><td>2000 Hz</td><td>4000 Hz</td></tr><tr><td>6,1 dB</td><td>6,2 dB</td><td>12,2 dB</td><td>13,7 dB</td><td>15,2 dB</td><td>13,8 dB</td></tr></table>                                                                                                                                                                                          |         |         |         |         |  | Rw(C;C <sub>tr</sub> ) = 14(-1;-2) dB |            |  |  |  |  | 125 Hz         | 250 Hz         | 500 Hz | 1000 Hz | 2000 Hz | 4000 Hz | 6,1 dB          | 6,2 dB         | 12,2 dB | 13,7 dB | 15,2 dB | 13,8 dB |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| Rw(C;C <sub>tr</sub> ) = 14(-1;-2) dB |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| 125 Hz                                | 250 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 500 Hz  | 1000 Hz | 2000 Hz | 4000 Hz |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| 6,1 dB                                | 6,2 dB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | 12,2 dB | 13,7 dB | 15,2 dB | 13,8 dB |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| IMPACT RESISTANCE                     | <table><tr><td>EN13049</td><td colspan="5">Class 5*</td></tr><tr><td>NF P08-302</td><td colspan="5">Class Q4*</td></tr></table>                                                                                                                                                                                                                                                                                                                                                        |         |         |         |         |  | EN13049                               | Class 5*   |  |  |  |  | NF P08-302     | Class Q4*      |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| EN13049                               | Class 5*                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| NF P08-302                            | Class Q4*                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| FALL-TROUGH PROTECTION                | <table><tr><td>B03-004</td><td colspan="5">Class C5b*</td></tr><tr><td>NEN-EN1991-1-1</td><td colspan="5">Class A/B/F/G*</td></tr><tr><td>NF P01-013</td><td colspan="5">Class C1-C5/D*</td></tr><tr><td>BS6180</td><td colspan="5">Class XI*</td></tr></table>                                                                                                                                                                                                                        |         |         |         |         |  | B03-004                               | Class C5b* |  |  |  |  | NEN-EN1991-1-1 | Class A/B/F/G* |        |         |         |         | NF P01-013      | Class C1-C5/D* |         |         |         |         | BS6180    | Class XI* |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| B03-004                               | Class C5b*                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| NEN-EN1991-1-1                        | Class A/B/F/G*                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| NF P01-013                            | Class C1-C5/D*                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |
| BS6180                                | Class XI*                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |         |         |         |         |  |                                       |            |  |  |  |  |                |                |        |         |         |         |                 |                |         |         |         |         |           |           |  |  |  |  |                  |       |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |           |   |  |  |  |  |             |   |  |  |  |  |

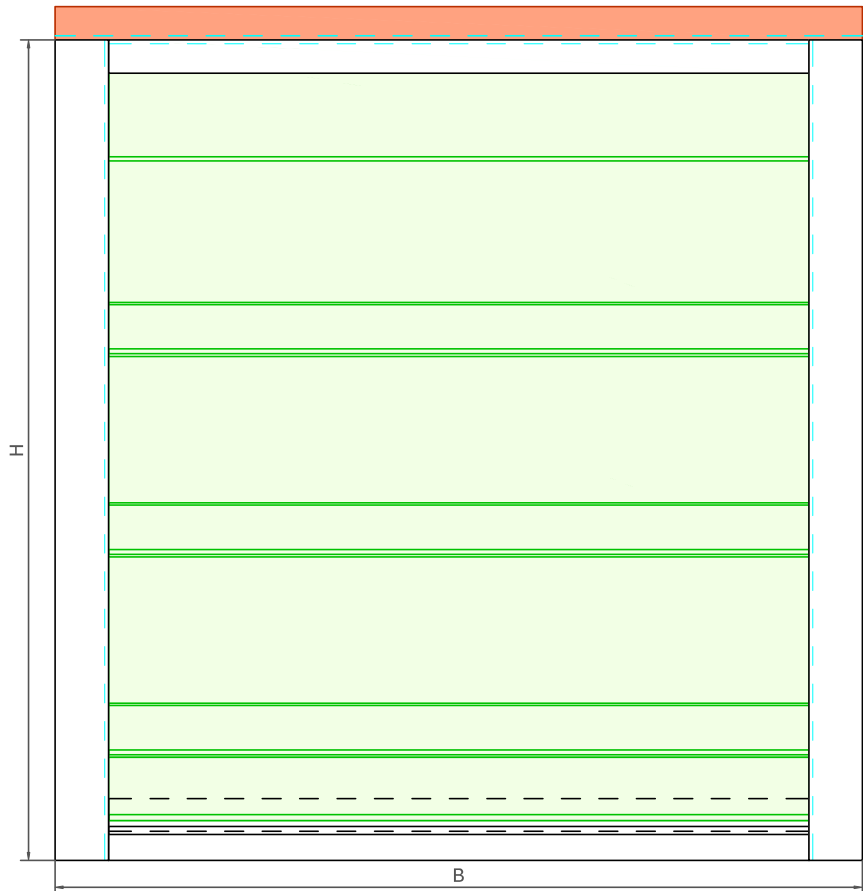
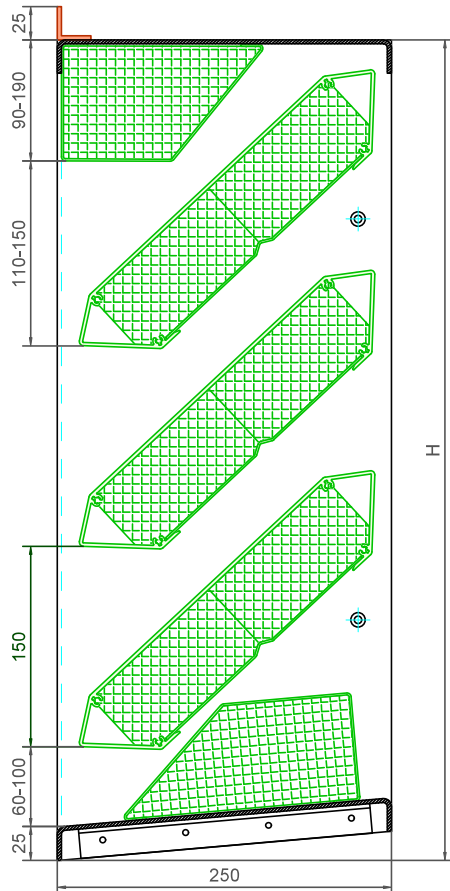
\*Depending on fastening and dimensions

3

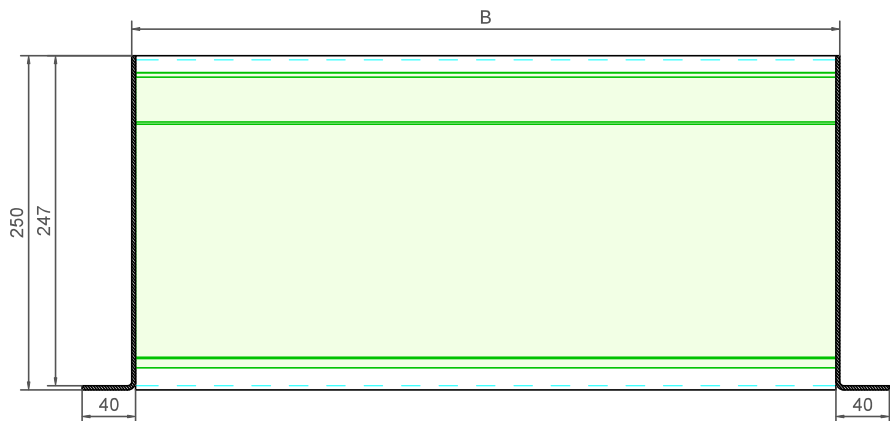
2

1

D



B



D

C

B

A

Duco Acoustic Panel 250

Datum : 25/06/2025

Schaal : 1:4

**DUCO**  
Ventilation & Sun Control

Bedrijvenlaan 2 - 8630 VEURNE  
tel. 0032-58/330066 - fax.0032-58/330067  
email: info@duco.eu www.duco.eu  
Deze tekening is eigendom van Duco Projects en mag niet gekopieerd  
noch getoond worden aan derden zonder schriftelijke toestemming

Tol. : ISO 2768-mK

Getekend : SDN/LNT

Mat. :

Ref nr. :

Formaat : A3



omtrek

gewicht

lakoppervl.

Tekening nr. :

DAP-250

mm

kg/m

dm²/m

3

2

1

A