

| SHEET DIMENSIONS  |                          | WIDTHS (mm)                | LENGTHS (mm)                 |  |
|---|--------------------------|----------------------------|------------------------------|--|
| Made to measure manufacture (CONSULT)                     |                          | 1000 / 1250 / 1500 / 2000  | (min. / max.) 2500 / 6000    |  |
| Thickness tolerance (mm) ± 0,2                            | Width tolerance (mm) ± 2 | Length tolerance (mm) + 15 | Diagonals tolerance (mm) ± 3 |  |
| Tolerance of the Protective Film on the panel (mm) +0; -5 |                          |                            |                              |  |

| PHYSICAL SPECIFICATION | UNIT              | VALUE              | NORM         |
|------------------------|-------------------|--------------------|--------------|
| Aluminium thickness    | mm                | 0,5                |              |
| Panel thickness        | mm                | 4                  |              |
| Panel weight           | kg/m <sup>2</sup> | 8,3                |              |
| Aluminium alloy        |                   | 5005 / 3105 / 3005 | UNE EN 573-3 |

| A2 CORE SPECIFICATION | UNIT              | VALUE       | NORM                |
|-----------------------|-------------------|-------------|---------------------|
| Density               | g/cm <sup>3</sup> | 1,9 ± 0,15  |                     |
| Fire reaction         |                   | A2 - S1, d0 | UNE-EN-13501-1:2007 |

| COATING TYPE  | UNIT | VALUE    | NORM                    |
|---|------|----------|-------------------------|
| External coating thickness<br>(Primer + PvdF 70/30) | μm   | 25 - 40* |                         |
| PvdF 70/30  | μm   | 20 - 30* | EN 13523 - 1            |
| Primer  | μm   | 5 - 10*  |                         |
| Internal coating thickness<br>(Primer)              | μm   | 5 - 10*  |                         |
| Gloss (measured at 60° angle)                       | GU   | 30 ± 5*  | EN 13523 - 2 / ISO 2813 |
| Hardness (pencil hardness)                          |      | HB - F   | EN 13523 - 4            |

| GENERAL CHARACTERISTICS            | UNIT              | VALUE                      | NORM                |
|------------------------------------|-------------------|----------------------------|---------------------|
| Adherence                          |                   | No loss of adherence       | EN - DIN - 53151    |
| Elasticity module (E)              | N/mm <sup>2</sup> | 70000                      |                     |
| Proof stress (R <sub>p0.2</sub> )  | N/mm <sup>2</sup> | ≥ 80                       | EN 485 - 2          |
| Tensile strength (R <sub>m</sub> ) | N/mm <sup>2</sup> | 125 ≤ R <sub>m</sub> ≤ 240 |                     |
| Elongation (A <sub>50</sub> )      | %                 | ≥ 4                        |                     |
| Impact resistance                  |                   | 4 Joules / GT0             | EN 13523 - 5/6      |
| Chemical Resistance                |                   | 5% HCl unchanged           | ISO 2812 - METHOD 3 |
| Temperature utilization            | °C                | - 40 / +80                 |                     |
| Accoustic insulation Rw (C;Ctr)    | dB                | 30 [-1; -3]                | ISO 717 - 1         |

#### USE SPECIFICATIONS

- Edge folding is recommended in STACBOND® A2 panel applied in our own mounting systems (STB-REM, STB-T-REM, STB-PEG, STB-T-PEG) or in others where the edge is visible.
- Punching is not recommended in STACBOND® A2 panel for outdoor applications.
- There may be limitations in the realization of STACBOND® A2 panels with high gloss finishes. Consult STAC® for available finishes.

\* Standard values, other values can be accepted if the finish requires it and does not affect the product quality.

\*\* Obligatory conditions of execution for obtaining a warranty.