

## TECHNICAL DATA SHEET

**buildbond<sup>®</sup>FR**

| PANEL DIMENSIONAL CHARACTERISTICS                   |                     |                   |                    |
|-----------------------------------------------------|---------------------|-------------------|--------------------|
|                                                     | VALUE               | UNIT              | NORM               |
| Panel thickness                                     | 4                   | mm                | EAD 090062-00-0404 |
| Aluminium thickness                                 | 0.5                 | mm                |                    |
| Panel weight                                        | 7.6                 | kg/m <sup>2</sup> |                    |
| Standar panel width *others to consult              | 1000-1250-1500-2000 | mm                |                    |
| Standar panel length [min -max.] *others to consult | 2000 - 6000         | mm                |                    |

| PANEL DIMENSIONAL TOLERANCE |       |      |      |
|-----------------------------|-------|------|------|
|                             | VALUE | UNIT | NORM |
| Weight tolerance            | ± 5   | %    |      |
| Thickness tolerance         | ± 0.2 | mm   |      |
| Width tolerance             | ± 2   | mm   |      |
| Length tolerance            | +15   | mm   |      |
| Diagonals tolerance         | ± 3   | mm   |      |

| COATING CHARACTERISTICS                            |       |      |                         |
|----------------------------------------------------|-------|------|-------------------------|
|                                                    | VALUE | UNIT | NORM                    |
| External coating thickness PVDF 70/30 - BECKRYTECH | 20-30 | µm   | EN 13523                |
| Thickness of interior coating Primer               | 10    | µm   |                         |
| Gloss (measured at 60° angle)                      | 30    | GU   | EN 13523 - 2 / ISO 2813 |
| Hardness (pencil hardness)                         | HB-F  |      |                         |

| PANEL CHARACTERISTICS    |            |                    |            |
|--------------------------|------------|--------------------|------------|
|                          | VALUE      | UNIT               | NORM       |
| Peeling                  | ≥ 7,0      | N/mm               | ASTM D 903 |
| Temperature utilization  | - 40 /+ 80 | °C                 |            |
| Thermal expansion Δ100°C | 2.215      | mm/m               | EN 12524   |
| Thermal transmission[U]  | 5.58       | W/m <sup>2</sup> K |            |

| CHARACTERISTICS OF THE LACQUERED ALUMINIUM SKIN |                         |                   |                     |
|-------------------------------------------------|-------------------------|-------------------|---------------------|
|                                                 | VALUE                   | UNIT              | NORM                |
| Alloy <sup>(1)</sup>                            | 5754/ 5005 / 3105 /3005 |                   | EN 573-3            |
| Elasticity module [E]                           | 70000                   |                   |                     |
| Proof stress (Rp 0.2)                           | ≥ 80                    |                   | EN 485 - 2          |
| Tensile strength (Rm)                           | 125 ≤ Rm ≤ 240          |                   |                     |
| Elongation (A50)                                | ≥ 4                     |                   | EN 13523 - 5/6      |
| Impact resistance                               | 4 Julios / GTO          |                   |                     |
| Chemical resistance                             | 5% HCl sin cambios      |                   | ISO 2812 - MÉTODO 3 |
| Density                                         | 2700                    | kg/m <sup>3</sup> |                     |

<sup>1</sup> Mirror finishes Alloy 1050

| FIRE CLASSIFICATION |          |      |            |
|---------------------|----------|------|------------|
|                     | VALUE    | UNIT | NORM       |
|                     | B-s1, d0 |      | EN-13501-1 |

