

## VITRABOND G2 | TECHNICAL DATA

| CLASSIFICATION                     | TEST STANDARD   | UNIT                           | VITRABOND G2  |
|------------------------------------|---|--------------------------------|---|
| PANEL WEIGHT                       |   | [lb/sf] / [kg/m <sup>2</sup> ] | 0.93 / 4.54   |
| THICKNESS                          |   | [in] / [mm]                    | 0.157 / 4   |
| THICKNESS OF ALUMINUM FACE         |   | [in] / [mm]                    | 0.028 / 0.7   |
| WIDTH                              |   | [in]<br>[mm]                   | 39.37/49.2/62<br>1000/1250/1575   |
| ALUMINUM SKIN                      |   |                                |   |
| ALLOY/TEMPER OF ALUMINUM LAYERS    |   |                                | 3003 H24  |
| TENSILE STRENGTH                   | ASTM E8   | [psi] / [MPa]                  | 25,077 / 172.9  |
| PEEL STRENGTH                      | ASTM D1781  | mm N/mm                        | 270   |
| SURFACE PROPERTIES (PVDF COATINGS) |   |                                |   |
| DRY FILM THICKNESS (NOMINAL)       | ASTM D1400  |                                | 0.20-0.30 mil primer<br>0.70-0.80 mil topcoat   |
| GLOSS                              | ASTM D523   |                                | Standard @ 60°: 25-35<br>Duranar LG @ 85°: <10  |
| PENCIL HARDNESS                    | ASTM D3363  |                                | F-2H  |
| FLEXIBILITY                        | T-Bend, ASTM D4145  |                                | 0-2 T-Bend; No pick-off   |
| ADHESION                           | ASTM D3359<br>Reverse Impact<br>1/16' crosshatch          |                                | No adhesion loss  |
| REVERSE IMPACT                     | ASTM D2794  |                                | 1.5 x Metal thickness (aluminum):<br>No cracking or adhesion loss                     |
| ACID RESISTANCE                    | ASTM D1308  |                                | 10% Muriatic acid – 24 hrs: No effect   |
| ACID RAIN TEST                     | Kesternich SO <sup>2</sup> , DIN 50018                    |                                | 15 Cycles min. No objectionable color change  |
| ALKALI RESISTANCE                  | ASTM D1308<br>10%, 25%, NaOH, 1hr.                        |                                | No effect   |
| SALT SPRAY RESISTANCE              | ASTM B117<br>5% salt fog @ 95° F                          |                                | Passes 4000 hrs.<br>Less than 1/1' avg. creepage from scribe; None or few #8 blisters |
| HUMIDITY RESISTANCE                | ASTM D714<br>ASTM D2247<br>100% relative Humidity @ 95° F |                                | Passes 4000hrs.<br>No #8 blisters   |
| EXTERIOR EXPOSURE                  | 10 yrs. @ 45°, South Florida<br>ASTM D2244<br>ASTMD4214   |                                | Max. 5 fade<br>Max. 8 chalk   |