

**Technical data sheet SM'art Melamine faced boards on DWELS core**

| property                               | test method | measure of unit                         | SM'art Melamine on DWELS core |                      |       |
|--|-------------|---|-------------------------------|----------------------|-------|
| surface defects                        |             | mm <sup>2</sup> /m <sup>2</sup><br>mm/m | ≤ 2<br>≤ 20                   |                      |       |
| scratch resistance                     | EN 14323    | N                                       | ≥ 1,5                         |                      |       |
| stain resistance                       | EN 14323    | level                                   | ≥ 3                           |                      |       |
| steam resistance                       | EN 14323    | level                                   | ≥ 4                           |                      |       |
| light resistance                       | EN 14323    | blu lana scale                          | ≥ 6                           |                      |       |
| cracking resistance                    | EN 14323    | level                                   | ≥ 3                           |                      |       |
| wear resistance                        | EN 14323    | Taber revolutions                       | Class                         | IP                   | WR    |
|  |             |   | 1                             | < 50                 | < 150 |
|  |             |   | 2                             | ≥ 50                 | ≥ 150 |
|  |             |   | 3A                            | ≥ 150                | ≥ 350 |
|  |             |   | 3B                            | ≥ 250                | ≥ 650 |
| thickness tolerance<br>tow sides decor | EN 14323    | mm                                      |                               | 18 mm                |       |
|  |             |   |                               | +/- 0,7              |       |
| size tolerance                         | EN 14323    | mm                                      | +/- 5                         |                      |       |
| planarity                              | EN 14323    | mm/m                                    | ≤ 2                           |                      |       |
| squareness                             | EN 14323    | mm/m                                    | ≤ 2                           |                      |       |
| damaged edges                          | EN 14323    | mm                                      | ≤ 10                          |                      |       |
| density                                | EN 323      | thickness<br>Kg/m <sup>3</sup>          |                               | 18 mm                |       |
|  |             |   |                               | 540 +/- 10 %         |       |
| thickness swelling after 24 hours      | EN 317      | % maximum                               |                               | 8                    |       |
| tear resistance                        | EN 319      | thickness<br>N/mm <sup>2</sup> minimum  |                               | 18 mm                |       |
|  |             |   |                               | 0,35                 |       |
| resistenza alla flessione              | EN 310      | thickness<br>N/mm <sup>2</sup> minimum  | principal axe                 | 18 mm                |       |
|  |             | N/mm <sup>2</sup> minimum               | secondary axe                 | 18                   |       |
|  |             |   |                               | 13                   |       |
| elasticity module                      | EN 310      | thickness<br>N/mm <sup>2</sup> minimum  | principal axe                 | 18 mm                |       |
|  |             | N/mm <sup>2</sup> minimum               | secondary axe                 | 3600                 |       |
|  |             |   |                               | 2200                 |       |
| screw extraction from the face         | EN 320      | N minimum                               | 1200                          |                      |       |
| screw extraction from the side         | EN 320      | N minimum                               | 800                           |                      |       |
| formaldehyde content                   | EN 120      |   | E1 no added formaldehyde      |                      |       |
| fire reaction<br>on demand             | EN 13501    |   |                               | D-s2, d0<br>B-s2, d0 |       |