

## Technical data Etronit-M Compact Laminate

Thickness 2,0 mm - 30,0 mm

| Properties                       |                                                                                                                 | Test according to EN 438-2 | Unit                            | Etronit-M Compact | Requirements EN 438-3 CGS |         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------|----------------------------|---------------------------------|-------------------|---------------------------|---------|
| Surface                          | Defects: Spots                                                                                                  | No. 4                      | mm <sup>2</sup> /m <sup>2</sup> | ≤1                | ≤1                        |         |
|                                  | Fibers and scratches                                                                                            |                            | mm/m <sup>2</sup>               | ≤10               | ≤10                       |         |
| Tolerance                        | Thickness: 2,0 - 3,0 mm                                                                                         | No. 5                      | mm                              | ±0,20             | ±0,20                     |         |
|                                  | Thickness: 3,1 - 5,0 mm                                                                                         |                            | mm                              | ±0,30             | ±0,30                     |         |
|                                  | Thickness: 5,1 - 8,0 mm                                                                                         |                            | mm                              | ±0,40             | ±0,40                     |         |
|                                  | Thickness: 8,1 - 12,0 mm                                                                                        |                            | mm                              | ±0,50             | ±0,50                     |         |
|                                  | Thickness: 12,1 - 16,0 mm                                                                                       |                            | mm                              | ±0,60             | ±0,60                     |         |
|                                  | Thickness: 16,1 - 20,0 mm                                                                                       |                            | mm                              | ±0,70             | ±0,70                     |         |
|                                  | Thickness: 20,1 - 25,0 mm                                                                                       |                            | mm                              | ±0,80             | ±0,80                     |         |
|                                  | Thickness: 25,1 - 30,0 mm                                                                                       |                            | mm                              | ±0,90             | -                         |         |
|                                  | Length and width                                                                                                |                            | No. 6                           | mm                | -0/+10                    | -0/+10  |
|                                  | Straightness                                                                                                    |                            | No. 7                           | mm/m              | ≤1,5                      | ≤1,5    |
| Squariness                       |                                                                                                                 | No. 8                      | mm/m                            | ≤1,5              | ≤1,5                      |         |
| Resistance                       | Flatness - Thickness: 2,0 - 5,9 mm<br>6,0 - 9,9 mm<br>10,0 - 30,0 mm                                            | No. 9                      | mm/m                            | ≤ 8,0             | ≤ 8,0                     |         |
|                                  |                                                                                                                 |                            | mm/m                            | ≤ 5,0             | ≤5,0                      |         |
|                                  |                                                                                                                 |                            | mm/m                            | ≤ 3,0             | ≤ 3,0                     |         |
|                                  | Impact, Large ball diameter - Height of fall                                                                    |                            | No. 21                          | mm                | ≥1800                     | ≥1800   |
|                                  | Scratching                                                                                                      |                            | No. 25                          | Scale 1-5         | 4                         | ≥ 3     |
|                                  | Light fastness                                                                                                  |                            | No. 27                          | Gey scale         | 5                         | 4 til 5 |
|                                  | Surface wear                                                                                                    |                            | No. 10                          | Revolutions       | 550                       | ≥ 350   |
|                                  | In boiling water - Absorption - Thickness 5,0-30,0 mm<br>Swell - Thickness 5,0-30,0 mm<br>Changes in appearance | No. 12                     | %                               | 1,0               | ≤ 2,0                     |         |
|                                  |                                                                                                                 |                            | %                               | 0,5               | ≤ 6                       |         |
|                                  |                                                                                                                 |                            | Scale 1-5                       | 5                 | ≥ 4                       |         |
| Water vapour"                    |                                                                                                                 | No. 14                     | Scale 1-5                       | 5                 | ≥ 4                       |         |
| Wet condition (65°C in 48 hours) |                                                                                                                 | No.15                      | %                               | 1,0               | ≥ 0,95 (EGS)              |         |
|                                  |                                                                                                                 |                            | Scale 1-5                       | 5                 | ≥ 4 (EGS)                 |         |
| Cracking                         |                                                                                                                 | No. 24                     | Scale 1-5                       | 4                 | -                         |         |
| Cigarette burns                  |                                                                                                                 | No. 30                     | Scale 1-5                       | 4                 | 3                         |         |
| Staining: Group 1 + 2<br>Group 3 | No. 26                                                                                                          | Scale 1-5                  | 5                               | ≥ 5               |                           |         |
|                                  |                                                                                                                 | Scale 1-5                  | 5                               | ≥ 4               |                           |         |
| Dimensional changes              | Dry heat at 180°C                                                                                               |                            | No. 16                          | Scale 1-5         | 5                         | ≥ 4     |
|                                  | At Elevated temp.: Lengthwise - Thickness 5,0-30,0 mm<br>Crosswise - Thickness 5,0-30,0 mm                      | No. 17                     | %                               | 0,1               | ≤ 0,3                     |         |
|                                  |                                                                                                                 |                            | %                               | 0,2               | ≤ 0,6                     |         |
|                                  | At 23°C: Lengthwise - Thickness 5,0-30,0 mm<br>Crosswise - Thickness 5,0-30,0 mm                                | No. 18                     | %                               | 0,1               | -                         |         |
| %                                |                                                                                                                 |                            | 0,2                             | -                 |                           |         |
| Mechanical                       | Flexural strength                                                                                               |                            | EN ISO 178                      | MPa               | 120                       | ≥ 80    |
|                                  | Modulus of elasticity                                                                                           |                            | EN ISO 178                      | MPa               | 10.000                    | ≥ 9.000 |
|                                  | Tensile strength                                                                                                |                            | EN ISO 527-2                    | MPa               | 100                       | ≥ 60    |
| Physical                         | Density                                                                                                         |                            | EN ISO 1183-1                   | g/cm <sup>3</sup> | 1,4                       | ≥ 1,35  |

Dekor-Etronit M Kompakt-rev-1-16022010

The stated data are average values of the current production, measured at 8,0 mm Compact laminates