

| Characteristic | Method | Unit of Measure | EDF | |
|-------------------------------------|-----------------|--|--|------------------------------------|
| Nominal Thickness | | mm | 2-20 | |
| Surface Defects | EN438:2005-2-4 | Dirt/Spots Fibres/Hairs/Scratches | mm ² /m ² mm/m ² | ≤ 1 ≤ 10 |
| Thickness | EN438:2005-2-5 | | mm | # 1 |
| Length & Width | EN438:2005-2-6 | | mm | -0 / +10 |
| Squareness | EN438:2005-2-7 | | mm/m | ≤ 1.5 |
| Edge Straightness | EN438:2005-2-8 | | mm/m | ≤ 1.5 |
| Flatness | EN438:2005-2-9 | | mm/m | # 2 |
| Surface Wear Resistance | EN438:2005-2-10 | | revolutions | ≥ 350 |
| Immersion in Boiling Water | EN438:2005-2-12 | Gloss Other Mass Increase (2mm ≤ thickness < 5mm) Mass Increase (thickness ≥ 5mm) Mass Increase (2mm ≤ thickness < 5mm) Mass Increase (thickness ≥ 5mm) | Class % % % % | 3 4 7 3 9 6 |
| Resistance to Water Vapour | EN438:2005-2-14 | Gloss Other | Class | 3 4 |
| Resistance to Wet Conditions | EN438:2005-2-15 | Appearance Mass Increase (2mm ≤ thickness < 5mm) Mass Increase (thickness ≥ 5mm) | Class | 4 10 8 |
| Resistance to Dry Heat (180°C) | EN438:2005-2-16 | Gloss Other | Class | 3 4 |
| Dimensional Stability | EN438:2005-2-17 | Longitudinal (2mm ≤ thickness < 5mm) (Thickness ≥ 5mm) Transverse (2mm ≤ thickness < 5mm) (Thickness ≥ 5mm) | % | / 0.4 0.3 / 0.8 0.6 |
| Resistance to Climatic Shock | EN438:2005-2-19 | Appearance Flexural Strength Index Flexural Modulus Index | Class Ds Dm | 4 0.95 0.95 |
| Impact Resistance (Small Ball) | EN438:2005-2-20 | | N | / |
| Impact Resistance (Large Ball) | EN438:2005-2-21 | Height of Fall (2mm ≤ thickness < 6mm) Height of Fall (thickness ≥ 5mm) Diameter of Imprint | mm mm mm | 1400 1800 ≤ 10 |
| Resistance to Cracking | EN438:2005-2-23 | | Class | / |
| Resistance to Crazeing | EN438:2005-2-24 | | Class | / |
| Scratch Resistance | EN438:2005-2-25 | Gloss Other | Class | / / |
| Stain Resistance | EN438:2005-2-26 | Group 1 & 2 Group 3 | Class | / / |
| Light Fastness | EN438:2005-2-27 | | Grey Scale | 4 to 5 |
| Resistance to UV | EN438:2005-2-28 | Contrast (1500hr) Appearance (1500hr) | Grey Scale Class | 3 4 |
| Resistance to Artificial Weathering | EN438:2005-2-29 | Contrast (335 MJ/m ²) Contrast (650 MJ/m ²) Appearance (325 MJ/m ²) Appearance (650 MJ/m ²) | Class | / 3 / 4 |
| Resistance to Cigarette Burns | EN438:2005-2-30 | | Class | / |
| Postforming Radius | EN438:2005-2-31 | | Minimum Radius mm | / |
| Resistance to Blistering | EN438:2005-2-33 | | Class | / |
| Density | | | g/cm ³ | ≥ 1.35 |
| Fire Rating | | (4mm ≤ thickness < 6mm) (thickness ≥ 6mm) | | / B,s2-d0 B,s1-d0 |

#1 Compact Tolerance - Nominal Thickness 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0
Tolerance ± mm 0.2 0.3 0.3 0.4 0.4 0.4 0.5 0.5 0.5 0.5 0.6 0.6 0.6 0.6 0.7 0.7 0.7 0.7 0.8

EN438 Class Definitions - Class 5 No visible change Class 4 Slight loss of gloss and or colour Class 3 Moderate loss of gloss and or colour
Class 2 Marked loss of gloss and or colour Class 1 Blisters and or delamination