

TECHNICAL DATA SHEET

COMPACT PANELS **FONDI**

| S.NO | PROPERTIES | TEST METHOD | UNIT OF MESUREMENT | ATTRIBUTES OF PERFORMANCE | RESULTS |
|--------|---|--------------------|---|--|--|
| 1 | SURFACE QUALITY | | | | |
| 1.1 | Surface Quality | EN 438-2.4 | mm ² / m ² | Sports, dirt and similar surface defects | ≤1 |
| | | | mm / m ² | Fibers, hair and scratches | ≤10 |
| 2 | DIMENSIONAL PROPERTIES | | | | |
| 2.1 | Thickness | EN 438-2.5 | mm | 8.0 ≤t < 12.0mm:±0.50mm | 8.0 ≤t < 12.0mm:±0.50mm |
| 2.2 | Size | EN 438-2.6 | mm | Length and Width +10/-0 | + 05 / - 0 |
| 2.3 | Straightness of edges | EN 438-2.7 | mm/m | Straightness of edges ≤1.5 | ≤1 |
| 2.4 | Squareness | EN 438-2.8 | mm/m | Squareness ≤1.5 | ≤1 |
| 2.5 | Flatness (measured on full size sheet) | EN 438-2.9 | mm/m | For 2.0 ≤t < 6.00mm :8 | 5 |
| | | | mm/m | For 6.0 ≤t < 10.00mm : 5 | 3 |
| | | | mm/m | 10.0 ≤t :3 | 2 |
| 3 | PHYSICAL PROPERTIES | | | | |
| 3.1 | Resistant to Surface Wear | EN 438-2.10 | Revolutions | Wear Resistance - Initial Point | Unicolour - > 200 Printed Decor - > 175 |
| | | | Revolutions | Wear Resistance - Wear Point | Unicolour - > 450 Printed Decor - > 410 |
| 3.2 | Resistant to immersion in boiling water | EN 438-2.12 | % | Mass Increase - 2 ≤T < 5mm | ≤2 |
| | | | % | Mass Increase - T ≥5mm | ≤1 |
| | | | % | Thickness Increase - 2 ≤T < 5mm | ≤2 |
| | | | % | Thickness Increase - T ≥5mm | ≤1.5 |
| | | | Rating | Appearance - Gloss Finish | ≥4 |
| 3.3 | Resistant to water vapour | EN 438-2.14 | Rating | Appearance - Gloss Finish | ≥4 |
| | | | Rating | Appearance - Other Finishes | ≥5 |
| 3.4 | Resistant to Dry Heat @ 180°C | EN 438-2.16 | Rating | Appearance - Gloss Finish | ≥4 |
| | | | Rating | Appearance - Other Finishes | ≥5 |
| 3.5 | Dimensional Stability at elevated temperature | EN 438-2.17 | Longitudinal % | Cumulative dimensional change 2 ≤T < 5mm | ≤0.40 |
| | | | Transversal % | | ≤0.80 |
| | | | Longitudinal % | Cumulative dimensional change T ≥ 5mm | ≤0.30 |
| | | | Transversal % | | ≤0.60 |
| 3.6 | Resistant to impact by large diameter ball | EN 438-2.21 | min. | Indent dia. 10mm 2 ≤6mm - 1800mm | 6 |
| | | | min. | Indent dia. 10mm T ≥6mm - 1800mm | 4 |
| 3.7 | Resistant to crazing | EN 438-2.24 | Rating | Appearance | ≥4 |
| 3.8 | Resistant to Scratching | EN 438-2.25 | Rating | Appearance - Smooth Finishe | ≥2.5 |
| | | | Rating | Appearance - Textured Finishe | ≥3.5 |
| 3.9 | Resistant to Staining | EN 438-2.26 | Rating | Appearance - Group 1 & 2 | ≥5 |
| | | | Rating | Appearance - Group 3 | ≥4 |
| 3.10 | Light Fastness (Xenon Arc) | EN 438-2.27 | Grey Scale Rating | Contrast | 4 to 5 |
| 3.11 | Resistant to Cigarette Burns | EN 438-2.30 | Rating | Appearance | ≥3 |
| 3.12 | Flexural Modulus | EN-ISO-178-2003 | Mpa | Stress ≥9000 | 9000-11500 |
| 3.13 | Flexural Strength | EN-ISO-178-2003 | Mpa | Stress ≥80 | 80-100 |
| 3.14 | Tensile Strength | EN-ISO-572-2-1996 | Mpa | Stress ≥60 | 60-90 |
| 3.15 | Density | EN-ISO-1183-1:2004 | gm/cm ³ | Density 1.35 - 1.45 | 1.4±0.05 |
| 4 | FIRE PROPERTIES | | | | |
| 4.1 | Fire Reaction Classification - CGS | EN 135 01 | Test as per EN 13823 and EN ISO 11925-2 (Small-burner test) | | |
| | Fire Reaction Classification - CGS | | Rating | Classification - T ≥6mm | D - s2, d0 |
| | | | Rating | Classification - 3 ≤T < 6mm | B - s2, d0 |
| Rating | Classification - 6 ≤T < 13mm | B - s1, d0 | | | |
| 5 | OTHER PROPERTIES | | | | |
| 5.1 | Release of Formaldehyde | EN-438-7.4.11.1 | Rating | Classification | E1 |