

TECHNICAL DATA SHEET

PRODUCT TECHNICAL SHEET CROWN DÉCOR COMPACT LAMINATES LAB GRADE CGS 6.00 MM Compact High Pressure Laminates (HPL)

| SR.NO. | PROPERTIES | TEST METHOD | UNIT OF MEASUREMENT | ATTRIBUTES OF PERFORMANCE | RESULTS (AS PER EN 438-4) |
|----------|---|--------------------|---------------------------------|---|---|
| | | | | EN-438 LAMINATE CLASSIFICATION Type CGS | |
| 1 | SURFACE QUALITY | | | | |
| 1.1 | Surface Quality | EN 438-2.4 | mm ₂ /m ₂ | Spots, dirt and similar surface defects | to be agreed between supplier and customer |
| | | | mm/m ₂ | Fibers, hairs, and scratches | to be agreed between supplier and customer |
| 2 | DIMENSIONAL PROPERTIES / STABILITY | | | | |
| 2.1 | Thickness | EN 438-2.5 | mm | 5.0 ≤ t < 6.0mm : ± 0.35 mm to be agreed between supplier and customer | 5.0 ≤ t < 6.0mm : ± 0.20mm to be agreed between supplier and customer |
| 2.2 | Size | EN 438-2.6 | mm | Length and Width ±10.0 | ±5.0 mm |
| 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 | N/A | ≤ 5 |
| 2.5 | Flatness (measured on full size sheet) | EN 438-2.9 | mm/m | N/A | 10 |
| 3 | PHYSICAL PROPERTIES | | | | |
| 3.1 | Resistance to Surface Wear | EN 438-2.10 | Revolutions | | ≥350 |
| 3.2 | Resistance to immersion in Boiling water | EN 438-2.12 | Increase Mass% | ≤ 2 | 0.95 |
| | | | Increase thickness% | ≤ 2 | 0.75 |
| | | | Rating | Surface Rating for Finishes | N/A |
| | | | Rating | Edge Rating for Finishes | N/A |
| 3.3 | Resistance to water vapour | EN 438-2.14 | Rating | Appearance - Other Finishes | ≥ 8 |
| 3.4 | Resistance to Dry heat @160°C | EN 438-2.16 | Rating | Appearance - Other Finishes | ≥ 5 |
| 3.5 | Dimensional stability at elevated temperature | EN-438- 2.17 | Longitudinal % | ≤ 0.25 | ≤ 0.20 |
| | | | Transversal % | ≤ 0.55 | ≤0.48 |
| 3.6 | Resistance to impact by large diameter ball | EN-438- 2.21 | mm | 5.0 ≤ t < 6.0mm - 1800mm | ≥ 1900 |
| 3.7 | Resistance to Scratching | EN-438-2.25 | Rating | Appearance for Finishes | ≥ 3 |
| 3.8 | Resistance to Staining | EN-438- 2.26 | Rating | Appearance - Group 1 & 2 | 4 |
| | | | Rating | Appearance - Group 3 | 4 |
| 3.9 | Density | EN-ISO 1183-1:2004 | gm/ cm ³ | ≥ 1.50 | ≥ 1.45 |

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|----------|---|--------------------|---------------------------------|--|---|
| | | | | EN-438 LAMINATE CLASSIFICATION Type CGS | |
| 1 | SURFACE QUALITY | | | | |
| 1.1 | Surface Quality | EN 438-2.4 | mm ₂ /m ₂ | Spots, dirt and similar surface defects | to be agreed between supplier and customer |
| | | | mm/m ₂ | Fibers, hairs, and scratches | to be agreed between supplier and customer |
| 2 | DIMENSIONAL PROPERTIES / STABILITY | | | | |
| 2.1 | Thickness | EN 438-2.5 | mm | 8.0 ≤ t < 12.0mm : ± 0.50 mm to be agreed between supplier and customer | 8.0 ≤ t < 12.0mm : ± 0.50mm to be agreed between supplier and customer |
| 2.2 | Size | EN 438-2.6 | mm | Length and Width ±10.0 | ±5.0 mm |
| 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 5.0 ≤ t < 6.0mm : 5 | 5 |
| 3 | PHYSICAL PROPERTIES | | | | |
| 3.1 | Resistance to Surface Wear | EN 438-2.10 | Revolutions | | ≥350 |
| 3.2 | Resistance to immersion in Boiling water | EN 438-2.12 | Increase Mass% | ≤ 2 | 0.75 |
| | | | Increase thickness% | ≤ 2 | 0.60 |
| | | | Rating | Surface Rating for Finishes | N/A |
| | | | Rating | Edge Rating for Finishes | N/A |
| 3.3 | Resistance to water vapour | EN 438-2.14 | Rating | Appearance - Other Finishes | ≥ 4 |
| 3.4 | Resistance to Dry heat @160°C | EN 438-2.16 | Rating | Appearance - Other Finishes | ≥ 5 |
| 3.5 | Dimensional stability at elevated temperature | EN-438- 2.17 | Longitudinal % | ≤ 0.20 | ≤ 0.18 |
| | | | Transversal % | ≤ 0.60 | ≤0.52 |
| 3.6 | Resistance to impact by large diameter ball | EN-438- 2.21 | mm | 5.0 ≤ t < 6.0mm - 1800mm | ≥ 1900 |
| 3.7 | Resistance to Scratching | EN-438-2.25 | Rating | Appearance for Finishes | ≥ 4 |
| 3.8 | Resistance to Staining | EN-438- 2.26 | Rating | Appearance - Group 1 & 2 | 4 |
| | | | Rating | Appearance - Group 3 | 4 |
| 3.9 | Density | EN-ISO 1183-1:2004 | gm/ cm ₃ | ≥ 1.50 | ≥ 1.45 |

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PRODUCT TECHNICAL SHEET CROWN DÉCOR COMPACT LAMINATES LAB GRADE CGS 12.00 MM Compact High Pressure Laminates (HPL)

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| | | | | EN-438 LAMINATE CLASSIFICATION Type CGS | |
| 1 | SURFACE QUALITY | | | | |
| 1.1 | Surface Quality | EN 438-2.4 | mm ₂ /m ₂ | Spots, dirt and similar surface defects | to be agreed between supplier and customer |
| | | | mm/m ₂ | Fibers, hairs, and scratches | to be agreed between supplier and customer |
| 2 | DIMENSIONAL PROPERTIES / STABILITY | | | | |
| 2.1 | Thickness | EN 438-2.5 | mm | 12.0 ≤ t < 16.0mm : ± 0.60 mm to be agreed between supplier and customer | 12.0 ≤ t < 16.0mm:± 0.60mm to be agreed between supplier and customer |
| 2.2 | Size | EN 438-2.6 | mm | Length and Width ±10.0 | ±5.0 mm |
| 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 5.0 ≤ t < 6.0mm : 5 | 5 |
| 3 | PHYSICAL PROPERTIES | | | | |
| 3.1 | Resistance to Surface Wear | EN 438-2.10 | Revolutions | | ≥350 |
| 3.2 | Resistance to immersion in Boiling water | EN 438-2.12 | Increase Mass% | ≤ 2 | 0.65 |
| | | | Increase thickness% | ≤ 2 | 0.45 |
| | | | Rating | Surface Rating for Finishes | N/A |
| | | | Rating | Edge Rating for Finishes | N/A |
| 3.3 | Resistance to water vapour | EN 438-2.14 | Rating | Appearance - Other Finishes | ≥ 4 |
| 3.4 | Resistance to Dry heat @160°C | EN 438-2.16 | Rating | Appearance - Other Finishes | ≥ 5 |
| 3.5 | Dimensional stability at elevated temperature | EN-438- 2.17 | Longitudinal % | ≤ 0.20 | ≤ 0.15 |
| | | | Transversal % | ≤ 0.60 | ≤0.48 |
| 3.6 | Resistance to impact by large diameter ball | EN-438- 2.21 | mm | 5.0 ≤ t < 6.0mm - 1800mm | ≥ 1900 |
| 3.7 | Resistance to Scratching | EN-438-2.25 | Rating | Appearance for Finishes | ≥ 4 |
| 3.8 | Resistance to Staining | EN-438- 2.26 | Rating | Appearance - Group 1 & 2 | 4 |
| | | | Rating | Appearance - Group 3 | 4 |
| 3.9 | Density | EN-ISO 1183-1:2004 | gm/ cm ₃ | ≥ 1.50 | ≥ 1.45 |