



2. MDF BOARD

These are high-quality base boards that are made of **wood fibres**. Very fine-structured wood is used as the raw material, producing a very uniform board that is extremely suitable **for fine interior work**.

The Decospan Pure Wood Charter also lets us guarantee that our panels are produced with wood from **sustainably managed forests**. FSC® and PEFC™ certified panels are also available from Decospan.

Technical characteristics of MDF boards
(average target values for the panels)

| Specifications | Standard | Unit | MDF | MDF fire-resistant | MDF moisture-resistant V313 | MDF Black |
|--------------------------------|----------|-------------------|-------------|--------------------|-----------------------------|-------------|
| Density | EN 323 | kg/m ³ | 570 - 720 | 720 - 770 | 700 - 790 | 700 - 790 |
| Flexural strength | EN 310 | N/mm ² | 15 - 23 | 25 - 35 | 28 - 35 | 28 - 34 |
| Surface tensile strength | EN 311 | N/mm ² | 1,0 | 1,2 | 1,2 | 1,2 |
| Modulus of elasticity | EN 310 | N/mm ² | 1500 - 2400 | 2500 - 3000 | 2600 - 3200 | 2600 - 3000 |
| Moisture content | EN 322 | % | 4 - 10 | 4 - 10 | 4 - 10 | 4 - 10 |
| Formaldehyde emission | EN 120 | | E1 | E1 | E1 | E1 |
| Thickness tolerance | EN 324-1 | mm | ± 0,2 | ± 0,2 | ± 0,2 | ± 0,2 |
| Size variability | EN 324 | mm | ± 5 | ± 5 | ± 5 | ± 5 |
| Thermal conductivity | EN 12524 | W/m.K | 0,15 | 0,15 | 0,15 | 0,15 |
| PCP content | EN 13986 | ppm | < 5 | < 5 | < 5 | < 5 |
| Fire safety category | EN 13501 | | D | B | D | D |
| Perpendicular tensile strength | EN 319 | N/mm ² | 0,45 - 0,70 | 0,60 - 0,75 | 0,70 - 0,90 | 0,70 - 0,80 |
| Swelling after 24 h. (18 mm) | EN 317 | % | < 16 | < 10 | < 8 | < 8 |

Different types of MDF board

| | EN 323 | kg/m ³ | L-MDF* | medium MDF* | standard MDF* | HDF** |
|---------|--------|-------------------|---------|-------------|---------------|-----------|
| Density | EN 323 | kg/m ³ | 570-620 | 650-670 | 720 | 850 - 950 |

*medium density fibreboard / **high density fibreboard

Table for veneered MDF panels

| Final thickness | 4 mm | 5 mm | 6 mm | 7 mm | 8 mm | 9 mm | 10 mm | 11 mm | 13 mm | 16 mm | 17 mm | 19 mm | 23 mm | 26 mm | 29 mm | 31 mm | 39 mm |
|-----------------|------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 2070 x 1220 mm | | | | | | | | | | | | | ○ | | | | |
| 2440 x 1220 mm | ○ | ○ | ○ | ○ | | ○ | ○ | ○ | ○ | ○ | | ○ | ○ | ○ | ○ | ○ | ○ |
| 2500 x 1240 mm | | | | | | | | | | | | | | | | | |
| 2800 x 2070 mm | ○ | | | | | ○ | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 3050 x 1220 mm | ○ | | | ○ | | ○ | | | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| 3050 x 1530 mm | | | | | | | | | | | | ○ | | | | | |
| 2440 x 1220 mm | | | | | | | | | | | | 🔥 | | | | | |
| 2800 x 2070 mm | | | | | | | | | | | | 🔥 | | | | | |
| 2440 x 1220 mm | | | | | | | | | | | | 💧 | | | | | |
| 2440 x 1220 mm | | | | | | | | | | | | ◆ | | | | | |
| 2800 x 2070 mm | | | | | | | | | | | | ◆ | | | | | |

- MDF
- 🔥 MDF Fire-resistant Euroclass1
- 💧 MDF Moisture-resistant V313
- ◆ MDF Black

- Size tolerance: L ± 5 mm, W ± 5 mm, thickness ± 0,2 mm
- Other dimensions available on request.
- Panels can be cut to size.