

# TECHNICAL DATA SHEET

## MW BACK UP, UV3-25

| TECHNICAL CHARACTERISTICS        | NORM                    | UNIT              | VALUE               |
|----------------------------------|-------------------------|-------------------|---------------------|
| Density                          | UNI EN 323              | kg/m <sup>3</sup> | 1000 +- 50          |
| Bending strength                 | UNI EN 310              | N/mm <sup>2</sup> | min. 23             |
| Flexural modulus of elasticity   | UNI EN 310              | N/mm <sup>2</sup> | min. 2700           |
| Strength between layers          | UNI EN 319              | N/mm <sup>2</sup> | min. 0,65           |
| Strength of upper layer          | UNI EN 311              | N/mm <sup>2</sup> | min. 1,20           |
| Swelling after 24 h              | UNI EN 317              | %                 | max. 38             |
| Surface absorption of the glue   | UNI EN 382-1            | mm                | min. 150            |
| Humidity                         | UNI EN 322              | %                 | 4-11                |
| Content of free formaldehyde     | UNI EN 120<br>ENV 717-1 | mg/100 g          | class E1,<br>max. 8 |
| Content of the sand              | ISO 3340                | %                 | max. 0,05           |
| Thickness tolerance              | UNI EN 324-1            | mm                | - 0,10 / + 0,20     |
| Dimension tolerance              | UNI EN 324-1            | mm/m              | + 2,0 - +- 5,0      |
| Squarness tolerance              | UNI EN 324-2            | mm/m              | 2,00                |
| Dimension stability-length/width | UNI EN 318              | %                 | 0,40                |
| Dimension stability-thickness    | UNI EN 318              | %                 | 10                  |
| Resistance to abrasion of foil   | UNI 9115                | /                 | 5                   |
| Resistance to scratching of foil | UNI 9428                |                   | 3 (< 0,5<1,0N)      |
| Surface hardness                 |                         | N/mm <sup>2</sup> | 82+-5               |
| HCHO foil content of foil        | EN 717-2/94             | mg/m <sup>2</sup> | < 3,5               |

| MATERIAL  | Thickness<br>in mm | Thickness<br>tolerance in mm |
|---|--------------------|------------------------------|
| MW-BACK UP, UV3-25  | 2,50               | - 0,10 / + 0,20              |
| <b>DESCRIPTION:</b>   |                    |                              |
| <p><b>MW-BACK UP UV3-25</b> is made of wood fibre and coated with special white composite foil</p> <ul style="list-style-type: none"> <li>• High hardness foil 82 N/mm<sup>2</sup>, and high density material 1000 kg/m<sup>3</sup> provides an excellent cleaning properties</li> <li>• Material offers excellent flatness and tightest thickness tolerance</li> <li>• Suitable for all drill diameters up to 0,1 mm</li> <li>• Usable on both sides</li> <li>• The flat, hard but flexible surface ensures excellent cutting almost with any drill tools.</li> <li>• It is without phenolic resin, FHC, formaldehyde and hydrotropic additives.</li> </ul> <p><b>Especially suitable for:</b></p> <ul style="list-style-type: none"> <li>• For drilling high-tech printed circuit boards</li> <li>• Multilayer</li> <li>• Flex-rigid boards</li> <li>• Very flat material suitable for automatic lines</li> </ul> |                    |                              |

All information given here is based on currently available facts and on the results of experiments performed with all due care in our laboratories. It does not in any way reduce the responsibility of the user for carrying out further tests in order to ensure successful processing and use in specific applications.