

## Technical data sheet

### Vapour control layer mdm<sup>®</sup> Verso VCL 100

| Characteristic                                                 | Test method                                                  | Unit                           | Value                    | Tolerance |          |
|----------------------------------------------------------------|--------------------------------------------------------------|--------------------------------|--------------------------|-----------|----------|
|                                                                |                                                              |                                |                          | Min.      | Max.     |
| Resistance to water penetration                                | EN 1928 Method A                                             | -                              | requirements met at 2kPa | -         | -        |
| Tensile properties: maximum tensile force                      | EN 12311-2                                                   | N/50 mm                        | MD ≥ 140                 | -         | -        |
|                                                                |                                                              |                                | CD ≥ 120                 | -         | -        |
| Tensile properties: elongation                                 | EN 12311-2                                                   | %                              | NPD                      | -         | -        |
| Resistance to tearing (nail shank)                             | EN 12310-1                                                   | N                              | MD ≥ 110                 | -         | -        |
|                                                                |                                                              |                                | CD ≥ 120                 | -         | -        |
| Resistance to strike (with styrofoam base)                     | EN 12691                                                     | mm                             | NPD                      | -         | -        |
| Connection resistance (Astat tape used)                        | EN 12317-2                                                   | N/50 mm                        | NPD                      | -         | -        |
| Water vapour transmission properties: Sd                       | EN 1931                                                      | m                              | ~100                     | -         | -        |
| Water vapour resistance                                        | EN 1931                                                      | [(m <sup>2</sup> x s x Pa)/kg] | 5,59E+11                 | 3,57E+11  | 7,24E+11 |
| Water vapour transmission properties (after artificial ageing) | EN 1296 i EN 1931                                            | -                              | requirements met         | -         | -        |
| Resistance to deformation under weight                         | No reference – non profiled merchandise                      |                                |                          |           |          |
| Alkalis resistance                                             | No reference – merchandise has no contact with most concrete |                                |                          |           |          |
| Reaction to fire                                               | EN 13501-1                                                   | class                          | E                        | -         | -        |
| Length                                                         | EN 1848-2                                                    | m                              | 50                       | 0         | +0,5     |
| Width                                                          | EN 1848-2                                                    | m                              | 1,5                      | -0,005    | +0,005   |
| Thickness                                                      | EN 1849-2                                                    | mm                             | 0,35                     | -0,15     | +0,15    |
| Mass per unit area                                             | EN 1849-2                                                    | g/m <sup>2</sup>               | 170                      | -15       | +15      |
| Straightness                                                   | EN 1848-2                                                    | -                              | requirements met         | -         | -        |
| Visible defects                                                | EN 1850-2                                                    | -                              | none                     | -         | -        |

Bielsko Biała, 10.10.2023  
(place and date)