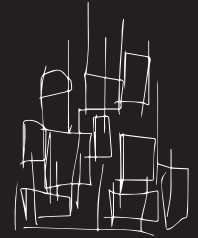


Compact Exterior

Technical Data and Certifications



MilanoRiveste®

MATERIAL PROPERTIES TESTED IN ACCORDANCE TO EN 438-2 (average value of production control) - Classification CGS

| Properties | Norms | Unit | Value |
|----------------------------------|--|-------------------|-----------------------|
| Physical data | | | |
| Apparent density | EN ISO 1183-1 | g/cm ³ | 1,45 |
| Mechanical properties | | | |
| Flexural strength | EN ISO 178 | Mpa | ≥ 90 |
| E-Modulus | EN ISO 178 | Mpa | ≥ 9500 |
| Tensile strength | EN ISO 527-2 | Mpa | ≥ 80 |
| Thermal properties | | | |
| Coefficient of thermal expansion | DIN 52328 | 1/K | 18 × 10 ⁻⁶ |
| Thermal conductivity | | W/mK | 0,3 |
| Resistance to vapour diffusion | | μ | ca. 17200 |
| Artificial weathering | EN ISO 4892-2 3000 h EN 20105-A02 greyscale | | 4-5 |
| Optical properties | | | |
| UV-light resistance | EN ISO 4892-3 1500 h EN 20105-A02 greyscale | | 4-5 |

REACTION TO FIRE CLASSIFICATION

| | | | |
|-------------|--------------|-----------------------------------|---------------------------------------|
| Europe | EN 13501-1 | MA39-VFA Vienna | Euroclass B-s2, d0 for 6-10 mm |
| Switzerland | | EMPA Dübendorf | Fire classification 5.3 for 6 - 10 mm |
| Germany | DIN 4102 | Institute for Construction-Berlin | B1 for 4 - 10 mm |
| France | NFP 92501 | LNE | M1 for 2 - 10 mm |
| Spain | UNE 23727-90 | LICOF | M1 for 6 - 10 mm |

PERMITS

| | | |
|--|-----------------------------------|--|
| Facade permit Germany | Institute for Construction-Berlin | 6, 8, 10 mm, Permit-No. Z-33.2-16 |
| ETB guidelines for building components which safeguard against falls, June 1985. Balcony railings. | TU Hannover | Passed (depending on building regulation and railing construction 6, 8 or 10 mm panel thickness) |
| Avis technique France | CSTB | 6, 8, 10 and 13 mm, wood- and metal subconstruction, permit no. AT 2/07-1264, AT 2/07-1265 |