

Virodeck by Viroc

Physical Properties

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|--|---|-------------|
| Density: (minimum) | 82.2 lbs./cubic foot | ASTM D-1037 |
| Modulus of Elasticity | 711,000 psi | ASTM C-120 |
| Shear Strength | 2,250 psi | ASTM D-732 |
| Tensile Strength | 793 psi (Parallel) 99.8 psi (Perpendicular) | ASTM C-209 |
| Compressive Strength | 6,860 psi | ASTM C-170 |
| WATER VAPOR TRANSMISSION | | |
| g/hr/m ² | 0.780 | ASTM C-170 |
| Grains/hr/ft ² | 1.119 | ASTM E-96 |
| Permeance, US Perms | 2.698 | ASTM E-96 |
| Permeability | 1.241 | ASTM E-96 |
| Dimensional Stability: | | |
| For an increase in Relative Humidity 65-90% | 0.11% | ASTM D-1037 |
| For an increase in Relative Humidity 65% to saturation | 0.16% | |
| Moisture Content | 8.68% | |
| Surface Alkalinity | between 11 & 13 pH | |
| Linear Variation with Moisture (Content) | 0.101% | ASTM D-1037 |
| Thickness Swelling (24 hour immersion) | 0.7% average | |
| LATERAL FASTENER RESISTANCE | | |
| Dry | 500 lbs. | ASTM D-1037 |
| Wet, 24 hour immersion | 336 lbs. | |
| NAIL PULL | | |
| Dry | 581 lbs. | ASTM D-1037 |
| Wet, 24 hour immersion | 373 lbs. | |
| Coefficient of Linear Thermal Expansion | 1.07 in/in/deg. C | ASTM D-696 |
| STATIC BENDING | | |
| Dry | 1,970 psi | ASTM D-1037 |
| Wet | 960 psi | |
| Thermal Conductivity "R" Hr./ft sq./deg F/BTU | 0.36 | ASTM C-518 |
| Izod Impact | 0.46 | ASTM D-256 |
| Ft.-Lb./Inch of Notch | Complete Breaks | |
| Non-Combustibility | Passed | ASTM E-136 |
| Fire Test | 0 Flame Spread 0 Smoke Developed | ASTM E-84 |
| Formaldehyde Content | 0 | EN 120 |
| Frost Resistance | No Effect 50 Cycles Freeze/Thaw | EN 112 |
| BOCA Evaluation | Research File # 94-61 Division #6 Sect-06128 As Type 2 Cement Bonded Particleboard | |
| Additional Reports | City of New York MEA # 179-95-M Wisconsin DILHR #950068-0 | |

Virodeck®