



## Technical Bulletin

Corporate: P.O. Box 397 • Fortson • Georgia • 31808 • 800-755-0825 • FAX 706-569-6704

### MW# 143-210201

### Topic: Weight of Materials used in Master Wall® Systems

The values below are some of the more common R-factors for surfaces found on building walls.

To convert kg/m<sup>2</sup> multiply psf by 4.8824

| <b>Component</b>            | <b>Weight (psf)</b> | <b>Component</b>                     | <b>Weight (psf)</b> |
|-----------------------------|---------------------|--------------------------------------|---------------------|
| Structural Concrete, cu. ft | 144.00              | <b>Metal Lath</b>                    |                     |
| 8" Concrete Block           | 55.00               | Stucco Netting/Fibalath              | 0.10                |
| 12" Concrete Block          | 85.00               | 1.75 Metal Lath                      | 0.06                |
| 2x4 wood studs @ 16" o.c.   | 4.00                | 2.5 Metal Lath                       | 0.90                |
| 2x4 metal studs @ 16" o.c.  | 4.00                | 3.4 Metal Lath                       | 0.13                |
| <b>Sheathing Materials</b>  |                     | <b>Insulation</b>                    |                     |
| 1/2" Interior Gypsum        | 2.00                | <i>Aggre-flex Insulation Board</i>   |                     |
| 5/8" Interior Gypsum        | 2.75                | 3/4"                                 | 0.07                |
| 1/2" Exterior Gypsum        | 2.00                | 1"                                   | 0.09                |
| 5/8" Exterior Gypsum        | 2.50                | 1-1/2"                               | 0.13                |
| 1/2" Cement Board           | 3.00                | 2"                                   | 0.17                |
| 5/8" Cement Board           | 3.75                | 3"                                   | 0.25                |
| Hardie Board                | 2.00                | 4"                                   | 0.34                |
| 1/2" Plywood/OSB            | 1.60                | <i>Extruded Expanded Polystyrene</i> |                     |
| 5/8" Plywood/OSB            | 2.00                | 1"                                   | 0.13                |
| 3/4" Plywood/OSB            | 2.40                | 1-1/2"                               | 0.25                |
| <b>Weather Barriers</b>     |                     | 2"                                   | 0.34                |
| 15# Asphalt Felt            | 0.15                | <i>Polyisocyanurate</i>              |                     |
| 30# Asphalt Felt            | 0.30                | 5/8"                                 | 0.10                |
| Tyvek® or similar           | 0.10                | 3/4"                                 | 0.12                |
| Rollershield-RS/VB          | 0.15                | 1"                                   | 0.16                |
| Rollershield-TG             | 0.20                | 1-1/2"                               | 0.24                |
| WeatherSTOP                 | 0.70                | 2"                                   | 0.34                |

#### Disclaimer

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| <b>Component</b>                                   | <b>Weight (psf)</b> | <b>Component</b>            | <b>Weight (psf)</b> |
|--|---------------------|-----------------------------|---------------------|
| <i>Mineral Wool</i>                                |                     | <i>Specialty Finishes</i>   |                     |
| 1-1/2"   | 1                   | Savannah                    | 0.40                |
| 2"   | 1.3                 | Superior Stone              | 0.50                |
| 3"   | 2                   | Taratex                     | 0.50                |
| 4"   | 2.6                 | Travertine                  | 0.50                |
| <b>Adhesives and Base Coat Materials</b>           |                     | Varius                      | 0.50                |
| F&M Adhesive                                       | 0.85                | ReCote™                     | 0.10                |
| F&M Base Coat                                      |                     | CIFS® Brick                 | 0.80                |
| 1-layer w/Mesh                                     | .045                | CIFS® Wood Grain CI         | 0.40                |
| 2-layer w/Mesh                                     | 1.20                | Brick Stencil Finish System | 0.60                |
| 1/4" Cemplaster Fiberstucco                        | 2.80                | <i>Superior Coatings</i>    |                     |
| 3/8" Cemplaster Fiberstucco                        | 4.20                | DuraCote                    | 0.10                |
| 1/2" Cemplaster Fiberstucco                        | 5.60                | SuperiorCote HP             | 0.10                |
| 3/4" Cemplaster Fiberstucco                        | 8.4                 | Roller-flex                 | 0.10                |
| 1" Cemplaster Fiberstucco                          | 10.00               | Elasto-flex                 | 0.10                |
| <b>Finishes</b>                                    |                     | Primecoat                   | 0.10                |
| <i>Superior Finishes/Superior Elastomeric Plus</i> |                     | Sanded Primecoat            | 0.10                |
| Perfect 2.0  | 0.60                |                             |                     |
| Fine Sand 1.0                                      | 0.50                |                             |                     |
| Medium Sand 1.5                                    | 0.80                |                             |                     |
| Versatex 0.5                                       | .05-1.0             |                             |                     |
| <i>Specialty Finishes</i>                          |                     |                             |                     |
| Aggrelime  | 0.40                |                             |                     |
| Aggre-stone  | 0.50                |                             |                     |
| LaCantera  | 0.50                |                             |                     |
| Lumia  | 0.50                |                             |                     |
| Metallic Cote                                      | 0.10                |                             |                     |
| MetalTex   | 0.50                |                             |                     |

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