



## Gemcolite® Ceramic Fiber Wet Insulating Blanket - 2300 Series

### Properties & Characteristics

| Standards and Options            |   |                  |                 |
|----------------------------------|---|------------------|-----------------|
| Standard Thickness               | 1/4" to 2" ; other thickness up to 7" available upon request  |                  |                 |
| Standard Size                    | 24" x 29" , 24" x 36" , 24" x 48" , and 33" x 66" ; other sizes available   |                  |                 |
| Densities                        | -LW (14-18 PCF) for most standard applications<br>-MW (22-26 PCF) where a slightly more rigid composition is required<br>-HW (28-32 PCF) for applications requiring rigid and/or abrasion-resistant composition |                  |                 |
| Properties and Characteristics   |   |                  |                 |
|                                  | CD  | MD               | HD              |
| Color before Firing              | Off-White   | Off-White        | Off-White       |
| Color after Firing               | White   | White            | White           |
| Maximum Use Limit                | 2300° F (1260°C)  | 2300° F (1260°C) | 2300° F(1260°C) |
| Melting Point                    | 3260° F (1800°C)  | 3260° F (1800°C) | 3260° F(1800°C) |
| Linear Shrinkage                 |   |                  |                 |
|                                  | Percentage at 24 Hours  |                  |                 |
|                                  | LD  | MD               | HD              |
| Temperature                      |   |                  |                 |
| 1400° F (760°C)                  | .27%  | .10%             | .11%            |
| 1600° F (870°C)                  | 1.69%   | N/A              | .32%            |
| 2000° F (1095°C)                 | 2.93%   | 2.21%            | 1.70%           |
| Approximate Thermal Conductivity |   |                  |                 |
|                                  | Btu•in/hr•ft <sup>2</sup> •°F   |                  |                 |
|                                  | LD  | MD               | HD              |
| Mean Temperature                 |   |                  |                 |
| 400° F (205°C)                   | .36   | .52              | N/A             |
| 800° F (425°C)                   | .56   | .72              | .55             |
| 1200° F (650°C)                  | 1.02  | 1.00             | .80             |
| 1600° F (870°C)                  | 1.34  | 1.33             | 1.00            |
| 2000° F (1095°C)                 | 2.00  | 1.82             | 1.22            |

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