

## Lightweight Concrete Filler (LCF) THE REVOLUTIONARY LOW DENSITY CEMENT

### Product Description:

LCF is a revolutionary, lightweight product made from Portland cement and proprietary expanded polystyrene foam aggregate. The aerated foam aggregate gives the cement a range of unique properties, making it perfect for deep fill applications. LCF is ready-mixed cement designed to be capped with an underlayment. LCF is mixed and pumped on-site with underlayment pumps making installation quick and easy.

### Product Advantages:

- Ultra-lightweight
- Density of 28-32 pcf
- Foam beads coated to prevent water absorption
- Not moisture sensitive
- Can be sloped
- No thickness limitation
- Fast drying
- Pours over conduit, wires, pipes, etc.
- Thermal properties

### Technical Data:

|  |   |
|--|---|
| <b>Function:</b>                         | Low Density Fill for Deep Fill Applications |
| <b>Density:</b>                          | 28 Day Dry Density: 28-32 pcf               |
| <b>Compressive Strength: (ASTM C109)</b> | 200-500 psi (1.3-3.4 m)                     |
| <b>Flexural Strength: (ASTM C78)</b>     | 119 psi                                     |
| <b>Mod of Elasticity: (ASTM C649)</b>    | 1.1 GPa                                     |
| <b>Freeze/Thaw: (ASTM C666)</b>          | No loss @ 300 cycles                        |
| <b>R-Value:</b>                          | 1.8 per inch                                |

| Level-Right LCF Bags | Water Demanded                  |
|----------------------|---------------------------------|
| 1                    | 2.0 – 2.2 gal (7.6 – 8.3 L)     |
| 2                    | 4.0 – 4.4 gal (15.1 – 16.6 L)   |
| 3                    | 6.0 – 6.6 gal (22.7 – 25.0 L)   |
| 4                    | 8.0 – 8.8 gal (30.3 – 33.3 L)   |
| 5                    | 10.0 – 11.0 gal (37.9 – 41.6 L) |
| 6                    | 12.0 – 13.2 gal (45.4 – 50.0 L) |

| Thickness | Yield per 40 lb. Bag                       |
|-----------|--|
| 1/2"      | 36 ft <sup>2</sup> (3.34 m <sup>2</sup> )  |
| 3/4"      | 24 ft <sup>2</sup> (2.23 m <sup>2</sup> )  |
| 1"        | 18 ft <sup>2</sup> (1.67 m <sup>2</sup> )  |
| 1 1/2"    | 12 ft <sup>2</sup> (1.11 m <sup>2</sup> )  |
| 2"        | 9 ft <sup>2</sup> (0.84 m <sup>2</sup> )   |
| 3"        | 6 ft <sup>2</sup> (0.56 m <sup>2</sup> )   |
| 4"        | 4.5 ft <sup>2</sup> (0.42 m <sup>2</sup> ) |
| 6"        | 3 ft <sup>2</sup> (0.28 m <sup>2</sup> )   |