

Product Description

Shaw Resources Core Grout 21 is a premixed, Portland cement grout designed for use in filling masonry block cores. Shaw Resources Core Grout 21 is suitable to be used when the area to be grouted does not exceed 100 mm (4") in both directions.

Product Yield

Shaw Resources Core Fill Products are available in 25 kg bags and 1,400 kg bulk bags.

Each 25 kg bag yields approximately 12.65 L (0.45 ft³) and each bulk bag yields approximately 710 L (25.2 ft³)

Mixing

Use a mechanical batch mixer to ensure optimal workability and performance. Add approximately 2.6 L of clean water per 25kg bag. Start by adding 2 L of water to the dry mix and mix thoroughly. Add additional water as necessary to obtain a flowable consistency of 8 in to 11 in (200 mm to 275 mm) slump complying with ASTM C 47. Mixing times should remain consistent between batches and mix only the amount of material that can be used within one hour of initial mixing.

Placement and Finishing

Suitable for use in concrete block bond beams, reinforced cells and lintels. Ensure that the concrete masonry unit mortar has cured to a sufficient strength to resist pressure of the grout. Pour, pump or place the grout into the cores of the concrete masonry units. Vibrate and refill to ensure that the cores are full.

If multiple grout applications are required, only fill the top row of concrete masonry units half way to ensure that the grouting joint is in a concrete masonry unit and not at a mortar joint.

DO NOT

- Place the grout into frozen concrete masonry units
- Place the grout into cells that have standing water or are saturated with water.
- Place the grout if it has been sitting for over one hour.
- Add set retarding or plasticizing admixtures on site.
- Add additional water to re-temper the grout mix after it has begun

Curing

Ensure that the temperature of the grout does not drop below 10°C (50°F) for 7 days. If cold temperatures are expected, 0°C (32°F) or less, materials should be protected to prevent freezing.

Technical Data

Shaw Resources Core Grouts meet and exceed the performance requirements of CSA A179.