

CEILCOTE® 648 CP GROUT ACCELERATOR

DESCRIPTION:

CEILCOTE® 648 CP Grout can be accelerated for cold weather use by adding CEILCOTE 648 CP GROUT ACCELERATOR. Acceleration shortens the working time, thus decreasing the cure rate at low temperatures. CEILCOTE 648 CP GROUT ACCELERATOR is intended to be used in temperatures below 60 °F. Contact Master Builders before using it at temperatures above 60 °F.

This data sheet is to be used as a supplement to Technical Data Sheet 9D1 and Installation Bulletin 9I1.

ESTIMATING:

Order 1 lb 14 oz for each 230 lb unit.

Mixing proportions:

| | |
|--------------------|-------------------|
| 648 CP Liquid | 22.3 lb (10.1 kg) |
| 648 CP Hardener | 7.6 lb (3.4 kg) |
| 648 CP Accelerator | 1.9 lb (0.8 kg) |
| 648 CP Aggregate | 200 lb (90.7 kg) |

* Aggregate level should be adjusted to recommendation in Data Sheet 9D1.

1. Add one can CEILCOTE 648 CP Hardener (7.6 lb) and one can CEILCOTE 648 CP GROUT ACCELERATOR (1.9 lb) to the pail of CEILCOTE 648 CP Liquid (22.3 lb) and stir for 3 minutes. Use immediately. Do not let stand for more than a few minutes.
2. Proceed with grouting per Installation Bulletin 9I1.

PERFORMANCE DATA:

Compressive Strength

(ASTM C 579-82, Method B, Modified 1 1/2" cubes)

All materials were conditioned 24 hours at cure temperature prior to mixing.

| 40 °F (4 °C) | | | | |
|--------------|-----------------|--------|-------------|--------|
| Hrs. | Non-Accelerated | | Accelerated | |
| | PSI | (MPa) | PSI | (MPa) |
| 16 | — | — | — | — |
| 24 | — | — | 100 | (0.7) |
| 48 | 800 | (5.5) | 4000 | (27.6) |
| 72 | 3900 | (26.9) | 8700 | (60.0) |
| 96 | 5000 | (34.5) | 9400 | (64.8) |
| 120 | 6800 | (46.9) | 11400 | (76.8) |
| 144 | 7100 | (49.0) | 12000 | (82.7) |
| 168 | 8000 | (55.2) | 13100 | (90.3) |

| 50 °F (10 °C) | | | | |
|---------------|-----------------|---------|-------------|---------|
| Hrs. | Non-Accelerated | | Accelerated | |
| | PSI | (MPa) | PSI | (MPa) |
| 16 | — | — | — | — |
| 24 | — | — | 3900 | (26.9) |
| 48 | 4900 | (33.8) | 12400 | (85.5) |
| 72 | 9200 | (63.4) | 14000 | (96.5) |
| 96 | 11500 | (79.3) | 15500 | (106.9) |
| 120 | 12800 | (88.3) | 17000 | (117.2) |
| 144 | 14500 | (100.0) | 17400 | (120.0) |
| 168 | 14800 | (102.0) | 17400 | (120.0) |

| 140°F (60 °C) | | | | |
|---------------|-----------------|---------|-------------|---------|
| Hrs. | Non-Accelerated | | Accelerated | |
| | PSI | (MPa) | PSI | (MPa) |
| 16 | — | — | 6800 | (46.9) |
| 24 | 2600 | (17.9) | 10500 | (72.4) |
| 48 | 9000 | (62.1) | 13000 | (89.6) |
| 72 | 13500 | (93.1) | 16000 | (110.3) |
| 96 | 16500 | (113.8) | 17500 | (120.7) |
| 120 | 17200 | (118.6) | 17700 | (122.0) |
| 144 | 17400 | (118.6) | 18000 | (124.1) |
| 168 | 17400 | (120.0) | 18000 | (124.1) |

Temperatures vary so radically, day vs. night, atmospheric vs. metal surface, that field judgement must still be used. Cured grout should have a solid, almost metallic feel when struck with a hammer.

LIMITATIONS:

CEILCOTE 648CP GROUT ACCELERATOR is formulated for industrial and professional use only and must be kept out of the reach of children. These products contain chemicals which may be COMBUSTIBLE and potentially HARMFUL to your health if not stored and used properly. Hazards can be significantly reduced by observing all precautions which are found on material safety data sheets, and product labels. Please read this literature carefully before using product.

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