

DESCRIPTION: SUPER PRO 6000^{PSI™} is a high strength concrete designed for all types of residential construction such as driveways, sidewalks and foundations. SUPER PRO 6000^{PSI™} is ideal for use by contractors and especially for heavy traffic areas and concrete slabs subject to de-icing compounds.

USES:

| | |
|-------------|----------------------|
| Driveways | Slabs |
| Sidewalks | Foundations |
| Columns | Retaining walls |
| Stairs | Resurfacing concrete |
| Footings | Curbs |
| Patio decks | Culverts |

ADVANTAGES: SUPER PRO 6000^{PSI™} has the following advantages:

1. Quick strength gain
2. Easy to mix and place
3. Superior durability
4. Construction grade quality

PROCEDURES:

1. Mechanical Mixing:
Add 3/4 of water into the concrete mixer. Add the SUPER PRO 6000^{PSI™} into the rotating concrete mixer. Add enough of the remaining water to bring the mix up to the desired consistency. Total mixing time: 5 to 10 minutes.

2. Hand Mixing:
Empty a bag of SUPER PRO 6000^{PSI™} into a wheelbarrow or onto a large piece of plywood. Make an indentation in the middle of the SUPER PRO 6000 and slowly add up to 2 litres of water, mixing continuously, until the desired consistency is achieved

| | |
|---------------------|---------------------------------------|
| SLUMP | RECOMMENDED MAX. WATER / 25 kg (55lb) |
| 75-150 mm (3" - 6") | 2.0 Litres (2.1 U.S. Qt.) |

Do not exceed the recommended maximum water.
Exact slump will vary due with mixing equipment used.

3. Curing: Begin moist curing at set. Continue moist curing for a minimum of 48 hours.

TECHNICAL DATA:

The data outlined below is representative of typical values achievable under controlled laboratory conditions. Results obtained in the field may vary from those stated.

| | TEST METHOD | VALUE |
|---------------|---------------------------|------------|
| Slump | CAN3-A23.2-5C (ASTM C143) | 75 mm (3") |
| Air Content % | CAN3-A23.2-4C (ASTM C231) | 4 to 6% |

| | | |
|--|---------------------------|--------------|
| Compressive Strength MPa (psi) | CAN3-A23.2-9C (ASTM C39) | |
| 1 day | | 18 (2610) |
| 3 day | | 25 (3625) |
| 7 day | | 35 (5075) |
| 28 day | | 42 (6090) |
| Working Time | | 1 hour |
| Density kg/m ³ (lb/ft ³) | ASTM C185 (modified) | 2305 (144) |
| Yield m ³ /bag (ft ³ /bag) | CAN3-A23.2-6C (ASTM C138) | 0.012 (0.41) |

APPROXIMATE NUMBER OF BAGS REQUIRED

| | <u>SLABS</u> | | <u>SLABS</u> | | <u>CIRCULAR COLUMN FORM (diameter)</u> | | |
|----------------------|-----------------------|---------------------|------------------------|---------------------|--|-----------------|------------------|
| | 3 in (75mm) Thickness | | 4 in (100mm) Thickness | | 6 in (150mm) | 8 in (200mm) | 12 in (300mm) |
| | 1 ft width (.3m) | 3 ft width (.6m) | 1 ft width (.3m) | 3 ft width (.6m) | | | |
| <u>Length</u> | | | | | | | |
| 1 ft(.3) | 1/2 | 1 3/4 | 3/4 | 2 1/2 | 1/2 | 1 | 2 |
| 2 ft(.6m) | 1 1/4 | 3 3/4 | 1 1/2 | 5 | 1 | 1 3/4 | 4 |
| 3 ft(.9m) | 2 | 5 1/2 | 2 1/2 | 7 1/2 | 1 1/2 | 2 1/2 | 5 3/4 |
| 4 ft(1.2m) | 2 1/2 | 7 1/2 | 3 1/4 | 10 | 2 | 3 1/2 | 7 3/4 |
| 5 ft(1.5m) | 3 | 9 1/4 | 4 | 12 1/4 | 2 1/2 | 4 1/4 | 9 3/4 |

LIMITATION: Exceeding the maximum recommended water content per sack will result in inferior physical properties.

Liability for damages or defective goods shall be limited to the refund of the purchase price or product replacement.

PACKAGING: SUPER PRO 6000^{PSI}™ is packaged in 25kg (55 lb.) paper bags. All Basalite Dry Mix can be custom-packaged to suit specific project requirements.

SAFETY PRECAUTIONS: SUPER PRO 6000^{PSI}™ contains Portland cement. Normal safety wear such as rubber gloves, dust masks and safety glasses, used to handle conventional cement-based products, should be worn. Material Safety Data Sheets are available upon request.

01/07