BASALITE® CONCRETE PRODUCTS VANCOUVER, ULC.

CONCRETE MIX WITH AIR

25 MPa, 30 MPa, 35 MPa or 40 MPa

DESCRIPTION: CONCRETE MIX WITH AIR is a pre-blended mix of fine and coarse aggregate and Type GU Portland cement packaged in 30 kg sacks and in one cubic yard (.76 m^3) bulk bags. It is available in compressive strengths of 25 MPa, 30 MPa, 35 MPa, and 40 MPa. CONCRETE MIX WITH AIR is a quality, preblended concrete mix suitable for any concrete repair or new concrete construction. The material requires only the addition of water. The air content in CONCRETE MIX WITH AIR is designed to meet the air content category #1 of CSA A 23.1-00 Table 10 and comply with CSA A 23.1-00 Alternative (1) Table 13, "Alternative Methods of Specifying Concrete".

USES: CONCRETE MIX WITH AIR is designed for difficult to reach projects (ie. underground parking, high rises, remote locations) and for small scale projects where ready-mix supply is not feasible. CONCRETE MIX WITH AIR is recommended for the construction or repair of foundations, floors, retaining walls and sidewalks where a quality pre-blended air entrained material is required.

ADVANTAGES: CONCRETE MIX WITH AIR is a quick, efficient and economical method of supplying large quantities of concrete to any commercial project. Other advantages include:

- no site pre-blending required (water is the only additive)
- quality controlled
- consistent performance
- increased productivity
- no admixtures required

PROCEDURES:

1. Preparation:
   For best results, CONCRETE MIX WITH AIR should be mixed with a clean concrete mixer with good fins. Use only potable water.

2. MIXING:

i) Add 3/4 of water required into mixer first. Then add the CONCRETE MIX WITH AIR. Mix together.
Add the remaining water to bring the concrete to the desired slump.

ii) Mix 5 to 8 minutes.

Recommended maximum water ratio is 2.1 litres per 30 kg sack.

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	25 MPa	30 MPa	35 MPa	40 MPa
Slump*	CSA A 23.2 - 5C	75 mm (3")	75 mm (3")	75 mm (3")	75 mm (3")
Air Content	CSA A 23.2 - 4C	6%	6%	6%	6%
Compressive Strength	CSA A 23.2 - 2C	MPa (psi)	MPa (psi)	MPa (psi)	MPa (psi)
1 - Day		4 (580)	5 (725)	5 (725)	6 (870)
7 - Day		17 (2465)	20 (2900)	24 (3480)	29 (4205)
28 - Day		26 (3770)	31 (4495)	37 (5365)	41 (5945)
Set Time	CSA A 23.2- 26C				
Initial		4 hours	4 hours	3 1/2 hours	3 1/4 hours
Final		8 hours	8 hours	7 3/4 hours	7 1/2 hours
Density: kg/m^3 (pcf)		2339 (146)	2341 (146)	2337 (146)	2346 (146)
Yield : m^3 (Yd^3)/30 kg bag		0.014 (0.02)	0.014 (0.02)	0.014 (0.02)	0.014 (0.02)
Yield : m^3/(Yd^3)/Bulk bag		0.76 m^3 (1.0)	0.76 m^3 (1.0)	0.76 m^3 (1.0)	0.76 m^3 (1.0)

* Note: Slump may vary due to the quality and condition of mixer used. Environmental factors such as the ambient temperature may also lead to slump variation.

LIMITATIONS: Adhering to recommended water additions is very important. 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: CONCRETE MIX WITH AIR is packaged in 30 kg sack and in one cubic yard (0.76 m^3) bulk bags. Dry weight - 1670 kg per bulk bag.

All Basalite Dry Mix can be custom packaged to meet specific project requirements.

SAFETY PRECAUTIONS: CONCRETE MIX WITH AIR contains Portland cement and other carefully selected additives. Normal safety wear such as rubber gloves, dust mask and safety glasses, used to handle conventional cement-based products, should be worn. Material Safety Data Sheets are available upon request.