

Concrete Admixtures, Adhesives & Aids

EDECON POWERMIX-50

DESCRIPTION

Edecon PowerMix-50 is a high-range water reducer is used to produce concrete with very high slumps or flowing concrete without the use of excess water. **Edecon PowerMix-50** has been formulated to produce concrete of very high workability and flowing concrete using a minimum dosage rate without the addition of water. Strength development will parallel the strength development of stiff, low slump concrete with low water cement ratios.

Edecon PowerMix-50 should be used when heavily reinforced or hard to place concrete dictates the use of high slump or flowing concrete. The use of **Edecon PowerMix-50** can result in savings in labor required to transport, place and screed concrete. **Edecon PowerMix-50** also allows pumping at lower pressures. When using as a water reducer, **Edecon PowerMix-50** will produce High Early Strength as well as the highest possible ultimate strength. Supplemental admixtures are not recommended for use with **Edecon PowerMix-50**.

Specifications: ASTM C494, Type F & G

USES

Flowing Concrete: **Edecon PowerMix-50** is a powerful dispersing agent that will produce flowing and self-leveling 6" to 10" (15.24 to 25.4 cm) slump concrete from 2" to 4" (5 to 7.6 cm) slump concrete without the addition of excess water, which causes loss of strength and increased shrinkage.

Slump Maintenance: When placement of concrete is delayed and slump begins to be lost, **Edecon PowerMix-50** can be added directly to the concrete. As with any admixture, field tests with your specific materials may be necessary to determine the proper dosage of **Edecon PowerMix-50**.

ADVANTAGES

- High Early Strength at 24 to 48 hours
- Allows for good workability slump with water reductions up to 30%
- Higher strength
- Greater density
- Improved finishing characteristics

TECHNICAL INFORMATION

Sufficient fines are required in the concrete for optimum performance and to reduce segregation. Rich mixtures in cement present no problem. With lean mixes (600 lbs of cement or less) the sand aggregate ratio usually has to be increased 5% to 8%, especially when producing flowing concrete.

WARRANTY: The information herein is to assist customers in determining whether our products are suitable for their applications. Our products are intended for sale to industrial and commercial customers. We request that customers inspect and test our products before use and satisfy themselves as to contents and suitability. Nothing herein shall constitute a warranty, express or implied, including any warranty of merchantability or fitness, nor is protection from any law or patent to be inferred. All patent rights are reserved. The exclusive remedy for all proven claims is replacement of our materials and in no event shall we be liable for special, incidental or consequential damages

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PHYSICAL CHARACTERISTICS

	pH	
	Specific Gravity	
	Weight per Gallon	
	Weight per Liter	
	Appearance	
	H ₂ O Solubility	
	Odor	

APPLICATION

As a water reducer: **Edecon PowerMix-50** should be introduced to the concrete with the mixing water when patching.

For Flowing Concrete: When flowing concrete with 6" to 10" slump (15 cm to 25 cm) is required **Edecon PowerMix-50** should be added to the truck at the jobsite and allowed to mix for three minutes before discharging.

DOSAGE

As a water reducer: Use 6 oz. to 16 oz. per 100 Lbs of cement (177.5 ml to 473 ml per 45 kg). For High Early Strength, use 6 oz. to 10 oz. per 100 Lbs of cement (177.5 ml to 295.7 ml per 45 kg) for 24 hours, or 11 oz. to 16 oz. per 100 lbs of cement (325 ml to 473 ml per 45 kg.) for 48 hours.

For Flowing Concrete: Use 6 oz. to 16 oz. per 100 lbs of cement (177.5 ml to 473 ml per 45 kg).

PACKAGING

All of our products are available in the following delivery container sizes:

- Sample Jug – 19 liter / ≈ 5 US gallon
- Sample Mini-drum – 57 liter / ≈ 15 gallon
- Drum/Barrel – 200 liter / ≈ 53 gallon volume in a 55 US gallon drum
- Transport Tote – 1,000 liter / ≈ 263 US gallon
- Various Sized Tankers – available for bulk volumes