

TECHNICAL DATA SHEET

Compliance with ASTM C-618

Product Description

ManaseerCrete™ is a high mass pozzolanic component addition in accordance to ASTM C618 class N as a water reducer for high performance concrete , the usage in concrete will offer an improved rheology , reduced bleeding and uses less water than Portland cement .

Required Test	Result	Conformity Criteria	Notes
Sulfur trioxide (SO ₃)	0.76%	4.0% max.	-
Silicon Dioxide (SiO ₂), Aluminum Oxide (Al ₂ O ₃), Iron Oxide (Fe ₂ O ₃)	73.79%	70% min.	Test was performed by the Ministry of Energy and Mineral Resources
Loss on ignition	0.5%	10.0% max.	-
-Moisture Content	0.057%	3.0% max.	-
Fineness (retained on 45 um (No. 325) sieve)	5%	34.0% max.	-
Strength activity index			
With Portland cement, at 7 days, min, percent of control	84.4%	75% min.	-
With Portland cement, at 28 days, min, percent of control	Comply	75% min.	-
Water requirement	99	115% max.	-
Autoclave expansion	0.06%	0.8% max.	-

Recommended Applications

Concrete Industry:

- Mass concrete foundations and sections due to low heat of hydration.
- High temperature environment as strength development will be accelerated while in cold weather shall be used with care.
- Water retaining structures.
- Marine environments.
- Effluent treatment plants.
- Potentially alkali-reactivity aggregates.
- Sulfate-bearing environments.
- Chloride-bearing environments.
- High quality finishes.

Construction chemicals:

- Self Leveling Screed.
- Non Shrink Grout.
- Anchoring Grout.
- Water Proofing.
- Floor Hardeners.
- Dark Color Tile Grout.
- Tile Adhesives .
- Repair Mortars.
- Cosmetic Mortars.
- Admixture.

Standard Packing



Pallets



Paper bag



Bulk

Shelflife

12 months from date of production, store in dry place away from sunlight and moisture, at temperature between 0 °C and 45°C.

