



**Axim**  
Italcementi Group

# CATEXOL™ 1000 SP-MN

## Superplasticizer for Concrete

### Product Description

**CATEXOL 1000 SP-MN** is an exceedingly efficient superplasticizer which reduces water requirements in concrete up to 30%. **CATEXOL 1000 SP-MN** produces highly fluid concrete for easier and faster placement. Higher strength concrete is achieved with substantially lower water/cement ratios and maintaining workability. **CATEXOL 1000 SP-MN** attains the necessary workability in the most difficult placement problems without the use of excess water.

**CATEXOL 1000 SP-MN** is a synthetically manufactured combination of melamine formaldehyde condensate, and other proprietary ingredients. The combined characteristics of the melamine and naphthalene condensates provide beneficial concrete performance in a single superplasticizer.

### Benefits

- Comparable strength development to stiff, low slump concrete.
- Increased workability.
- Effortless placement.
- Easier and faster pumping of concrete with pump pressures reduced as much as 50%.
- Increased volume stability.
- Reduced segregation even at high slumps.
- Type I cement early strength development comparable to Type III.

- Greater impermeability.
- Excellent concrete durability.
- Improved appearance of architectural concrete.
- Reduced discharge and turn around time for trucks.
- Improved resistance to sulfate attack
- Increased productivity resulting in reduced labor costs, and faster reuse of forms.
- Increased strengths at all ages.

### Recommendations

**CATEXOL 1000 SP-MN** contains no calcium chlorides. AXIM recommends **CATEXOL 1000 SP-MN** for use in all types of concrete including plain, reinforced, extruded, precast and prestressed concretes. **CATEXOL 1000 SP-MN** is especially effective in concrete containing such pozzolanic materials as fly ash, silica fume and slag.

### Dosage

Dosage rates vary depending upon the amount of plasticity and/or water reduction desired. The recommended dosage range for **CATEXOL 1000 SP-MN** is 10 to 40 ounces per 100 pounds of cementitious material. Trial mixes are suggested in order to determine the required dosage for optimum performance with your concrete components.

## Directions For Use

For optimum results, introduce **CATEXOL 1000 SP-MN** towards the end of the mixing process. **CATEXOL 1000 SP-MN** maintains its superplasticized consistency for up to 90 minutes depending on the environmental conditions. Ambient temperature, transport distance, and jobsite delays may dictate jobsite addition of **CATEXOL 1000 SP-MN**.

## Applicable Standards

**CATEXOL 1000 SP-MN** meets or exceeds the requirements of ASTM C-494-92, Types A & F.

**CATEXOL 1000 SP-MN** DOES NOT CONTAIN CALCIUM CHLORIDE.

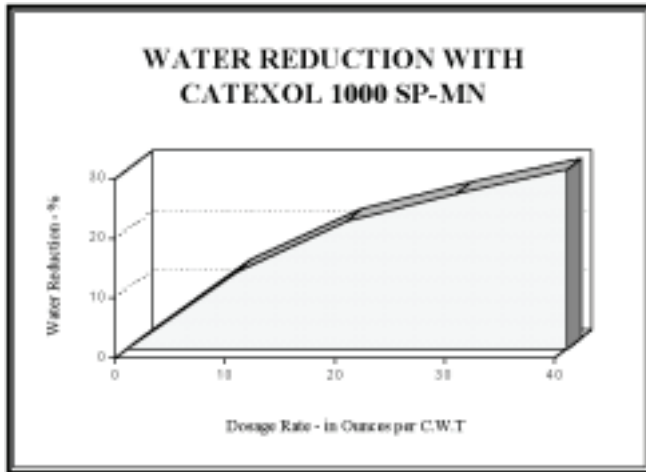
## Packaging

**CATEXOL 1000 SP-MN** is supplied in either 55-gallon drums or in bulk delivery.

**CATEXOL 1000 SP-MN** should be kept from freezing. If accidentally frozen its properties can be restored by thawing and thoroughly re-mixing by mild mechanical agitation.

## Technical Service

A trained AXIM representative is available to assist in the preparation of specifications, and the resolution of concrete problems in the field.

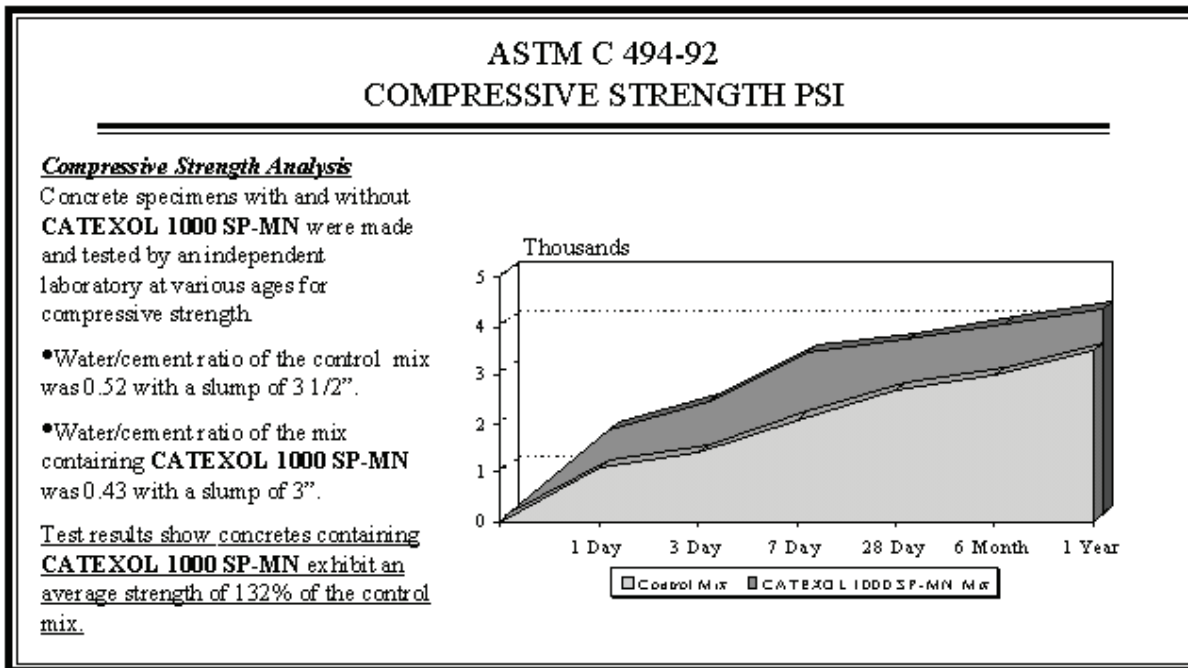


## Warranty

AXIM warrants its products to be free of manufacturing defects and that they will meet AXIM's current published physical properties when applied in accordance with AXIM's directions and tested in accordance with ASTM and AXIM standards.

AXIM makes no warranty or guarantee, express or implied, including warranties of fitness for a particular purpose or merchantability, respecting its products, and AXIM shall have no other liability with respect thereto. Any claim regarding product defect must be received in writing within one (1) year from the date of shipment. No claim will be considered without such written notice or after the specified time interval.

User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith.



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