



ELK GROVE VILLAGE

Temperature Limitations

Portland Cement Concrete

Temperature Limits

- Outside temperature in the shade should be at least 35° F and rising.
- Discontinue operations when the descending air temperature reaches 40° F.
- Temperature of the concrete should be between 50° F and 90° F at the time of placement.

Protection of Concrete

Minimum Temperature Forecast

25° F - 32° F or if drops below
32° F during first 72 hours

Below 25° F

Protection

1 layer of poly & 1 layer of burlap,
or 2 layers of polyethylene, or
2 layers of waterproof paper

6" of straw covered with 1 layer of
poly or waterproof paper

Bituminous Concrete

- Minimum air temperature for surface course is 45° F and rising.
- Minimum air temperature for binder course in the shade is at least 40° F and rising. (Base should be dry.)
- Air Temperature should be over 50° F in the shade when placing BAM containing MC-3000. (There is no minimal air temperature requirement when an AC is used in the mix.)
- The bituminous mixtures shall be delivered at a temperature of 225° F - 325° F.
- Bituminous mixtures shall never be placed on a frozen or wet subgrade.
- Subgrade shall be dry and unfrozen.