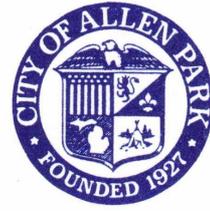


CONCRETE INFORMATION



City of Allen Park

Building Department
16850 Southfield Rd. Allen Park, MI 48101
Phone: 313-928-4441

CEMENT CONTRACTORS, CEMENT SUPPLIERS AND HOMEOWNERS

The Building Department received many complaints of pitting, spalling & scaling concrete. In an effort to minimize this problem the following requirements for exterior concrete work in the City of Allen Park will become effective immediately:

Cement	— 6 bag mix (560 lbs.) per yard of concrete
Entrained air	— 6% <u>minimum</u>
Slump	— 5" <u>maximum</u> / 4" preferred
Strength	— 4000 psi at 28 days
Curing compound	— newly placed concrete to receive a sprayed on type curing compound (Note: This compound is not to be used on concrete placed after October 15)

Any water added to the concrete mix must be recorded by the supplier at the time of delivery in order to protect his interests in case proof is required at some future date.

Please be advised that the building inspectors will be periodically spot checking concrete deliveries for water content, slump & air content. Any concrete found to be deficient in any of these aspects cannot be placed & will be ordered off the job.

Please instruct your field personnel to follow basic procedures in regard to finishing concrete. A proper time interval must be allowed in order for the water to bleed to the surface of the concrete before it is worked. Hopefully, this will avoid the forming of a surface layer of fines which spall off during the first freeze-thaw cycle. For concrete poured after October 15, a three to seven day curing period must be provided, (depending on weather). This may be done by keeping the concrete constantly wet, the application of a visqueen cover or the application of a building paper cover. The concrete can then be allowed to air cure for the proper thirty day period prior to the onset of bad weather.

Concrete sets very rapidly in extremely hot weather which causes cracking. Fog spraying will help prevent cracking. The recommended time before driving on a driveway is 7 days. Using salt for ice removal or road salt from tires parked in the driveway may cause scaling.

There is no guarantee concrete will not crack.