What Makes A Quality Concrete Project

With over 75 years of experience behind them, engineers in the ready-mix concrete business have developed a set of standards to produce a durable concrete project that withstands the harsh conditions present in Michigan. These standards are critical for a successful installation, but equally important is a reliable and conscientious concrete contractor that follows these standards throughout the installation of your project. I am such a contractor. I take pride in all my work, and my crews produce some of the finest workmanship in the Lansing Area. By using high quality concrete from a local supplier and by adhering to the following practices, I can give you the premium product you expect.

Mark Fineis, President
Hanneman & Fineis Concrete Construction, Inc.

Certifications – *American Concrete Institute (ACI)* Certified flatwork finisher
Michigan Concrete Association (MCA) Certified decorative concrete technician.
National Ready Mixed Concrete Association (NRMCA) Certified pervious concrete technician.

Concrete mix design - Because of the severe effects our climate has on concrete, it is recommended to use a full six sack mix or 4000# psi strength mix with 5-8 percent air-entrainment. This will give the durability required for most projects.

Subgrade preparation - The topsoil should be stripped or any concrete removed. The natural soil beneath is suitable as subgrade if it can be uniformly compacted. If the natural soil is non-uniform or cannot be uniformly compacted, replace it with a layer of 4"-6" compacted granular material such as fill sand.

Slab Thickness - This should be a minimum of 4" on a well compacted subgrade. If there is any concern about the subgrade, or if heavy equipment or trucks will use or sit on the concrete, then 5" or 6" is a good investment.

Control Joints - The depth of the joints should be a minimum of 1/4 the thickness of the slab and placed at a maximum distance of 2-1/2 times in feet, the thickness of the slab in inches (10' for a 4" slab). For a sidewalk, that factor is 1-1/2 times the width (4' 6" for 3' wide). Jointing helps to control the cracks that naturally develop as the concrete expands and contracts.

Expansion Joints - Expansion joint material is used to separate your new slab from any existing masonry, such as basement walls, patio, driveway, etc. This allows the concrete to safely expand and contract with heat and cold.

Decorative Finish – The color should be evenly dispersed with no streaks or blotches. Secondary colors should accent but not overpower the other colors. The stamped imprint should be deep enough to show all the detail but not allow for trip edges or push-ups.

Sealers - A durable non-yellowing curing and sealing compound that is resistant to UV (ultra-violet) light so that it provides long–lasting protection for your decorative project against fading and wear.

If You Have Any Questions Please Call ~ *Mark Fineis* ~ *(517)202-6946*