

TITLE OF INVENTION: Holcim Eascrete

SPECIFICATIONS / DESCRIPTION

Holcim Eascrete is a specialty concrete developed having self-compacting and self leveling characteristics providing a very high performance concrete generally with specified compressive strength up to 105 MPa.

Generally ultra high compressive strength mixes has problem of high adiabatic temperature rise, high shrinkage. In this invention, this has been taken care of. It is a unique combination of positive properties with reference to above issues.

This product has many specialties as described below:

1. It is a high performance concrete produced with a special mix design having low cementitious materials and using of new generation of admixtures, having self leveling and self compacting characteristics without the requirement of any vibration.
2. It saves construction time and costs for equipment and labour as described below:
 - a. Faster placement of concrete with very low manpower.
 - b. Easier to pump over higher and greater distances.
 - c. Lower energy requirements for placement and compaction.
 - d. Homogeneous concreting of zones with dense steel reinforcements.
 - e. Excellent bond between concrete and steel reinforcements.
 - f. Concrete voids and honeycombing is prevented.
 - g. Excellent surface finishing.
 - h. Long slump retention.
3. Unlike normal self-compacting concrete, this concrete has a specialty of using less cementitious materials, making it environmentally friendly.
4. It has less noise pollution and reduces CO2 emissions.

Claims

1. This unique product, Holcim Eascrete having special technical features as characterized by the description and abstract shall be having exclusive intelligent property rights for the inventor and anyone trying to utilize this combination directly or indirectly and copying the same would be breaching the patent rights filed for this product by the inventor and the said party would be liable for legal actions