

CIRCULAR NO 13

Subject – Cracks in Concrete is a Cosmetic issues or an Indication of Potential Threat to Structure

Dear Valued Customers,

Date: 09/03/2021

Concrete is a composite material composed of fine and coarse aggregate bonded together with a fluid cement (cement paste) that hardens (cures) over time. All the ingredients have their own unique chemical, physical and mechanical properties therefore failure of one individual ingredient of concrete may lead to failure of whole concrete. Concrete can withstand very large compressive stresses but only small tensile stresses, particularly at an early age. Cracking in concrete occurs when the tensile stress within the concrete becomes greater than it can withstand. Even though in the last two decades many measures have been taken e.g. introduction of temperature control, casting method, blended cement, tight formwork, introduction of polymers, which have reduced the incidents to some extent but this potential gigantic problem still exists and decreasing the service life of our concrete structure.

Considering the sensitivity and importance of this issue we have decided to arrange a technical webinar in which we will cover the followings.

- Causes of Cracks
- Types of Cracks
- Cracks Pattern
- Testing to identify the depth, width and thickness of cracks
- Possible Remedial measures

It will be organized on 30th of March 2021 @ 1130hrs. Please confirm your presence max by 26th of March 2021.

Thanking you,

Yours Sincerely,


Sohail Zafar

Technical Director
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Our Specialties

- Thermal Properties of Construction Material
- Testing of Tile Adhesive, Sealant, Mortar, Plaster, Coatings, Epoxies
- NDT Testing of Concrete with most advanced instrument.
- Scanning of Concrete up to 2.0m depth.
- Sub Surface Exploration up to 150m depth.
- Energy Saving Calculations
- Structural Investigations