

CIRCULAR NO 5

Subject – U Value of Concrete Blocks

Dear Valued Customers,

Date: 22/09/2020

Ref No: FAL-OGC-20-0112

Insulation is essential in all construction for energy conservation especially considering the future energy requirements and saving energy resources. Due to its inherent functionality and the availability of raw materials used in its production, concrete and masonry are the world's most widely used building materials. Many civilizations have built structures with concrete and masonry walls that provide uniform and comfortable indoor temperatures despite all types of climatic conditions.

In addition to structural requirements, a building envelope should be designed to control the flow of air, heat, sunlight radiant energy, for which DM Green Building Department has issued the guidelines for maximum U value of Concrete Blocks.

Insulation is measured in terms of U, K & R values and each have its own merits for the architectural design as well as for HVAC Specialist who design the cooling and heating system in the building based on energy conservation. There are various techniques to measure the U value of concrete e.g. hot box method and calculation method by measuring the thermal conductivity of material which is more common because of its versatility and accuracy level. Keeping in view, all of above Falcon Laboratory has taken the initiative of measurement of U value of concrete blocks by series method which is more accurate, advanced and precise. We are also working closely with the regulatory bodies for their recognition for this particular test.

We have decided to include this in our upcoming technical webinar on U value of Concrete blocks on 1st of October 2020 @ 1030hrs. Please confirm your presence max by 29th of September 2020. We hope our new initiative of awareness message will be appreciated at your end.

Thanking you,

Sincerely,


Sohail Zafar
Technical Director
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- 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