

**Circular No (8-1-1) of Year 2021**

**On 23/8/2021**

**On products and materials used in Thermal Insulation systems**

**Messrs. Engineering Consulting offices, Construction Contracting Companies Suppliers and Manufacturers,**

**After Greetings,**

It is necessary to make sure and abide by the following:

- 1- all materials and insulating products used in thermal insulation systems should obtain labels and certificates of conformity issued by Dubai Central Laboratory Department before using them ,provided that such materials and products shall be valid and in conformity with the standard specifications of Dubai Municipality declared in the following link:  
<https://www.dm.gov.ae/en/Business/DubaiCentralLaboratory/ProductCertificationServices/Pages/List-of-Certified-products-Under-theFactory-Assessment-Scheme.aspx>
- 2- The specifications of construction block used as a thermal insulator shall be in conformity with the standard specifications of Dubai Municipality and that shall be prior to start using it at the work sites.
- 3- Obtaining the approval of exterior insulation and finish system (EIFS) by the Building Permits Department.
- 4- In case of failure to comply with whatever herein mentioned in this respect, the contractor with the consultant who supervises the execution of works shall jointly be liable knowing that certificates of conformity are renewed annually.
- The application of thermal insulation for poles and bridges referred to in specifications, conditions and systems of thermal insulation, specifications and conditions of Green Buildings could be substituted and replaced by application of total thermal transmission coefficient for walls which shall be (0.4 W/m<sup>2</sup>. k) provided that total thermal transmission coefficient shall be improved by implementing one or more of the following proposed techniques,

and that shall be according to nature of the project:

1. Improvement of thermal conductivity for windows and glass sections.
2. Installation of walls insulator with a higher density and less conductivity.
3. Using of insulated block and light thermal block.
4. Using of precast insulated walls with light thermal coefficients.
5. Using of external and internal plastic layer from heat-resistant materials.

**“This is a technical translation, in case of ambiguity Arabic version will prevail “**