

## ENERGY IDENTITY CERTIFICATE

### 1. What is Energy Identity Certificate?

Energy identity certificate application became effective on January 1st, 2011. New buildings are required to obtain energy identity certificate as of this date. This certificate is an integral part of occupancy permit for new buildings. All available buildings are required to obtain energy identity certificate until 2017.

Energy identity certificate contains the following information;

- Minimum energy demand required to established comfortable conditions in the buildings,
- Classification concerning the energy consumption of the building to ensure such comfort conditions,
- The rate of energy consumption realized from renewable resources such as sun, wind etc.,
- CO<sub>2</sub> emission quantities released to the environment due to the building and devices operated inside,
- Insulation properties of the building,
- Efficiency of heating and/or cooling, ventilation and sanitary hot water systems.



Energy identity certificate has to be issued for the entire building. One copy of the energy identity certificate shall be kept by the building owner, manager, board and/or energy manager, another copy shall be posted at an easily visible position at the entrance of the building.

Energy identity certificate is valid for a period of 10 years following the date of issue. In a modification which may cause changes in energy demand of the building, energy identity certificate has to be issued again.

## 2. Energy Classification of Buildings

Energy consumption and greenhouse gas emission of the building is classified from A to G on the energy identity certificate.

<b>Building Energy Class</b>	<b>Energy Class Index</b>
A	0 -39
B	40 – 79
C	80 – 99
D	100 – 119
E	120 – 139
F	140 – 174
G	≥ 175

Minimum value of energy class index is 100. In other words, buildings which are lower than class C consume more energy than the minimum requirements stipulated by the laws. Class G buildings and class D buildings respectively consume 75% and 19% more energy than the requirements stipulated by the laws. Buildings which are designated as class C consume 1% - 20% less energy than the minimum requirements stipulated by the laws. Class B buildings and class A buildings respectively consume 21% - 60% and at least 60% less energy.

## 3. Energy Identity Certificate Issuing Authorities?

Calculation method designated by Ministry of Public Works and Settlement is used while issuing energy identity certificate. Energy Identity Certificate and concerning reports issued by institutions and organizations other than the organizations which are authorized to issue energy identity certificate are deemed invalid.

In the following you can find a sample energy identity certificate issued as per TSE 825: