

**KAVEH GLASS**



**Double-Glazed Float Glass**



**KAVEH GLASS INDUSTRIAL GROUP**



# Double-Glazed Float Glass

## Description

Glazing or insulating glass is the combination of two or more sheets of glass with a specific space in which is filled with dry air or other inert gasses such as Argon. During the manufacturing process, glass panels are bound to an aluminum spacer, which is filled inside with special silica-gel, by butyl binder and finally the whole peripheral surfaces are sealed with polyurethane and silicone binder.

## Features

### • Soundproofing Insulation

Due to its low transfer of sound waves, Double-Glazed glass is a very good soundproofing insulation for crowded places. In some cases, in order to achieve better performance, Laminated Glass can be used as one or more glaze.

### • Energy Saving

By its insulation properties, double-glazed glass significantly affects the energy conservation in many places.

### • Desired Lighting

Since the hollow space between glass sheets is filled with an inert gas and there is no serious barrier for the light to pass through the layers, light transmission is almost the same as for single-glaze glass.

### • Stable Chemical Properties

The stability in chemical composition makes it possible to have a long term storage for a wide variety production.

## Specifications

Performances(EN 410 & EN 673) DGU 4mm Clear Glass-16mm Argon-4mm Clear Glass	
Interior Pane	Clear Glass
Exterior Pane	Clear Glass
Light Transmittance (LT%)	80.48
UV Transmittance(UVT%)	47.73
Exterior Light Reflectance (LR <sub>e</sub> %)	14
Interior Light Reflectance (LR <sub>i</sub> %)	14
Solar Factor(g)	0.75
Shading Coefficient(SC)	0.86
U <sub>g</sub> Value EN 673 [W/(m <sup>2</sup> .k)]	2.62