The standard commonly used flat glass has a greenish tint, due to the iron content found naturally in the raw materials. This tint becomes more and more dominant as the thickness of the glass increases. Consequently, this affects the real color visibility through the glass.

**PHOENICIA ULTRA CLEAR** glass has low iron content, it is extremely transparent, made of the finest raw materials. Therefore, it has more than 96% clarity, enables a very high light transmission and a true color visibility. **Phoenicia Ultra Clear** glass offers an optimal solution for painting or printing, or for adding a colored PVB layer (a polymer material with a variety of properties that is spread between layers of glass and may add a selected color). Its use ensures high-quality color visibility. When printing or painting on glass, the results will not be affected by the tint of the glass and will ensure real colors with perfect quality.

**Phoenicia Ultra Clear glass is branded in Israel and worldwide with the True Color® brand, and is the preferred and the elegant choice for many uses:**

- Printing or painting on glass (elevators, entrance lobbies, hotels, rooms or halls, as well as entire facades and more).
- Thick glass railings for balconies (without a greenish tint at all).
- Providing a transparent and prestigious look in shower rooms.
- Skylights and light windows (for maximum natural light flow and for reducing the use of artificial lighting).
- Laminated glass, for additional features such as safety, color and acoustic filtering.

**True Color®** glass is available in a variety of thicknesses, from 1.8 millimeters to 12 millimeters and can be tempered, bent and processed. **True Color®** glass has many features that contribute to its various uses.
**Technical performance of TRUE COLOR® 6 mm glass**

- **Rw** (Db) — The degree of reduction in noise level passes through the glass, measured in decibels.
- **VL** — Visible light from the Sun
- **VLr** — (Visible light reflection) - The percentage of light reflected outside.
- **IR** — Infra red solar heat, part of the visible light
- **Irr** — (Solar energy reflection) - The percentage transition of solar energy reflection.
- **UV** — Ultraviolet radiation, part of the visible light
- **LT** — (Visible light transmission) - The percentage of visible light transition.
- **EA** — Energy absorption
- **ET** — (Solar energy transmission) - The percentage of solar energy transition.
- **U-Value** — (Heat transfer coefficient) W/(m²/K) - The degree of heat transfer through the material and its effect on temperature transfer.
- **G-Value** — (Total Solar energy transmission) - Coefficient of heat transfer of the total percentage of solar energy transfer.

**Notes:**
- All data are nominal values, subject to the tolerance of the product and without obligation.
- The calculated values are for guidance only and do not offer any guarantee regarding the production of the final product.
- Since a glass window consists of several parts, there is no guarantee that the final product will display these values.
- According to EN 572-9 Low Iron float Glass intended to be used in buildings.
- Low final values indicate higher insulation of the glass.

**TRUE COLOR® glass** is manufactured according to the requirements of the international standards such as the International Organization for Standardization (ISO), the European Union’s EN standard and is tested according to the requirements of the American Standard ASTM and others.

To ensure that the Phoenicia glass application complies with all applicable laws, regulations, standards, codes of practice and other requirements, it is recommended that the Phoenicia processor consult with a qualified Phoenicia consultant regarding the instructions for processing, such as how to successfully store, handle, process and install Phoenicia glass. Instructions can be obtained directly from Phoenicia.

**Clarification:** The information presented in this publication is a general description of the product and Phoenicia will not be responsible for any inaccuracies or omissions in this publication and any implications of adherence thereto. This liability is imposed on those who use the information.