



Instructions For Use and Warranty
of SOLARLITE® Products



DEVOTED TO EXCELLENCE

1 - Product Description:

1-1 Sphinx glass produces a variety of Solarlite Coated Float glass products as below:

- Solarlite Clear.
- Solarlite Euro Grey
- Solarlite Dark Bronze
- Solarlite Sky Blue
- Solarlite Euro Bronze
- Solarlite Coal Grey

1-2 The coatings are applied on the glass using pyrolytic methods to control solar heat gain, energy performance, comfort level, and condensation and to enhance the aesthetic of the building.

1-3 Solarlite glass products are intended to be used in building, construction work and home appliances.

1-4 Solarlite coated glass can be glazed with the reflective coating oriented towards the exterior (#1 surface) or the interior (#2 surface) but we recommend surface#2. It can be glazed as a monolithic product or as an insulated glass (I.G.) unit.

1-5 Solarlite glass can be laminated, tempered or heat strengthened

1-6 Solarlite coating's appearance may show a different reflection aspect depending on the glass substrate's color Orientation and distance

2- Handling:

1. The sheets must be moved using a suction-pad lifting beam or an automatic unstacking machine
2. The stock sizes must first be lifted slightly, and then moved away from the others.
3. Care must be taken to prevent scratches by ensuring that the edge of one glass sheet or piece does not rub against the surface of another.
4. Ensure the safety of personnel at all times. Keep all unnecessary personnel out of the handling area. Wear appropriate personal protective equipment.

3- Processing:

3-1 Cutting, Edging and Drilling:

1. Processing quality relies on clean cutting thus the automatic cutting system is recommended to avoid any issues related to surface quality of glass.
2. Adjust the speed of the edge processing machine according to the thickness of the glass.
3. Clean the cooling water cycle regularly to remove any glass particles.
4. Wash the processed products, recommended with deionized water and dry it.

3-2 Coated Glass and I.G units:

1. SOLARLITE coated glass can be glazed with the reflective coating oriented towards the exterior (#1 surface) or the interior (#2 surface) but we recommend (surface#2). It can be glazed as a monolithic product or as an insulated glass (I.G.) unit.
2. SOLARLITE glass can be laminated (Face#4-not facing PVB), tempered or heat strengthened.

3-3 Protection and Cleaning of the end products:

1. Store in a dry, well ventilated location, protected from weather conditions, temperature and humidity variations.
2. Avoid plaster, mortar residues and splashes of concrete as much as possible for preventing a chemical attack on the glass. It is recommended that the glass is cleaned once it is installed.
3. Efficient protection of the glass from construction works by means of polyethylene film covering the glass.
4. Glass should be washed at frequent intervals, particularly during the project construction when the possibility of dirt, debris, and potentially harmful exposure to corrosive materials is high.
5. Coated Glass can be washed periodically using a soft, grit-free cloth and mild soap or detergents. ABRASIVE CLEANERS SHOULD NOT BE USED.
6. Immediately after washing, the entire surface should be rinsed with clean water and a soft smooth squeegee used to remove excess rinse water. If it is necessary to use commercial solvents such as xylene, toluene, mineral spirits or naphtha to remove grease or glazing compounds the glass should be washed and rinsed afterwards. Care should be taken to protect glazing sealants and other materials when using these commercial solvents.

3- Processing:

1. Don't use any additives that contain hydrofluoric acid, or have the possibility of forming hydrofluoric acid. Hydrofluoric acid will quickly and permanently damage the glass surface.
2. If an installation positions the coated glass near or below weather exposed concrete or masonry surfaces, it should be washed more frequently to remove deposits that may reside on the glass. Some glazing sealants may exude, bleed or leach onto the glass surface. If sealant-type contaminants are not removed in a timely manner, it could lead to a residue that is very difficult to remove.
3. Instructions For Use and Warranty
4. of Solarlite Products
5. surface. If sealant-type contaminants are not removed in a timely manner, it could lead to a residue that is very difficult to remove.
6. Sphinx Glass provides the information related to processing and handling for advisory purposes only. The customer /user is solely responsible for using those guidelines.

4- Glass Warranty:

4-1 Warranty Details and Period :

Sphinx Glass warrants to its immediate direct customers (glass processors) that the coating of its Solarlite Pyrolytic products, which have been annealed, heat strengthened or tempered will not peel, fade or present burns effect under normal weather conditions provided that the product is used in an application set forth in the table below:

Application	Warranty Period
Sealed IGU (Coated Surface towards Airspace)	10 years
Single glass coating face#2 (coating not exposed to chemicals)	10 years
Bent Glass with Coating in Compression – Minimum 36" Radius	5 years
Interior (Room-side) Exposed	10 years

Other applications will be considered when submitted in writing on a project by Project basis.

4-2 Right of inspection :

1. Customer shall make available to Sphinx Glass for inspection any product that customer claims to be defective or subject to a claim under this warranty in its installed application.
2. The warranty is void if the customer fails or refuses to provide or make reasonably available the alleged defective product for inspection by Sphinx Glass as set forth above within a reasonable time of making the claim, which in no event shall exceed 30 days after submission of the written claim. Additionally, the warranty is void if the customer alters, removes, destroys, or disposes of the product from its installed application (i.e., from any end product or installation/glazing system) before Sphinx team completes its inspection or review of the same.
3. If Sphinx Glass elects to replace the glass, glass furnished as such replacement will carry the same warranties for the balance of the original warranty period, and the same delivery terms that applied to the original shipment.
4. In no event shall Sphinx Glass be responsible for glass breakage or glass degradation or coating damage caused by seal failure in an insulating unit or ceramic frits fired onto either surface of the glass.
5. Sphinx Glass is not responsible in any case for any costs of removal, installation or reinstallation, for loss of use, or incidental, consequential or other damages of any kind.



4-3 Remedy :

1. In the event that any Sphinx Solarlite product fails to perform as warranted, Sphinx is responsible to furnish the customer with same product or another product without charge, F.O.B, ex work, or nearest Sphinx Glass shipping point.
2. If Sphinx Glass elects to replace the glass, glass furnished as such replacement will carry the same warranties for the balance of the original warranty period, and the same delivery terms that applied to the original shipment.
3. In no event shall Sphinx Glass be responsible for glass breakage or glass degradation or coating damage caused by seal failure in an insulating unit or ceramic frits fired onto either surface of the glass.
4. Sphinx Glass is not responsible in any case for any costs of removal, installation or reinstallation, for loss of use, or incidental, consequential or other damages of any kind.



4-4 Limitations :

Sphinx Glass assumes no responsibility for, and this warranty shall be void and will not cover the product, in the event of the following or under the following circumstances:

1. Failure of products because the customer not following Sphinx's instructions regarding the Solarlite products.
2. Glass breakage.
3. Building construction or design where edges of the product are exposed to the environment.
4. Failure of products due to severe and/or extreme weather conditions, including, but not limited to: hurricanes, tornadoes, earthquakes, hail, excessive heat, cold, or humidity.
5. Failure of products due to improper usage or improper handling, loading, unloading or storage.
6. Damage to products caused by chemicals used on or around the products.
7. Failure of any kind if the product was subject to additional processing, fabrication or alteration by the customer, including, but not limited to, application of coatings, films, tapes, adhesive backings, additional edging and beveling.
8. Damage resultant from cleaning with, or exposure to, abrasive cleaners, sharp objects, wire brushes, steel wool, acids or other caustic material of any type.
9. Products due to incompatibility with the organic hermetic seal with other glazing or installation materials, including but not limited to sealants, lubricants, setting blocks, gaskets, coatings, insulation or any other materials.
10. Products installed in a high-moisture environment including, but not limited to, swimming pool enclosures, saunas and spas.