

ŞİŞECAM LACQUERED GLASS MANUAL FOR APPLICATIONS AND PROCESSES



INDEX

1. Introduction
2. Product Definition
3. Packaging
4. Storage
5. Cutting
6. Shaping
7. Washing
8. Application
9. Final product packaging
10. Isicam and Double Glasses
11. Lamination-Tempering

1. Introduction

Purpose of this manual is providing information to final users about accurate methods of storing, cutting, processing, shaping, and other applications of Şişecam Lacquered Glasses.

2. Product Definition

Şişecam Lacquered Glass is a decorative glass manufactured by applying high quality paint on float glass.

Paint used in applications is an **environment friendly** product as it does not contain any heavy metals or chemicals disastrous for environment.

Şişecam Lacquered Glass is a decorative glass utilized for **only interior design** which offers aesthetic solutions.

It can be used as a wall covering or cabinet door in kitchens, bathrooms, offices, restaurants and stores.

It is possible to be manufactured in all RAL colors for any request more than 1.500 m².

Painted surface of Şişecam Lacquered Glass is resistant to instant temperatures up to 165°C. And it is resistant to continuous temperatures up to 80°C.

3. Packaging

During packaging, the painted surface of glass should face outward. Barcode is attached to the unpainted surface of glass.

Paper should be used as a separator.

4. Storage

Şişecam Lacquered Glass should be stored in dry, well ventilated areas which are under control and should not be stored in areas subject to sudden changes in temperature or humidity.

Glasses should not contact with water and should be kept away from places where water may accumulate on or between glasses.

Glasses should never be stored outdoors.

Glasses should not be stored in areas where there are sudden temperature changes or other stuff such as heat sources, corrosive materials, chemicals, acids or fuel tanks.

5. Cutting

Şişecam Lacquered Glass is a glass utilized for decorative purposes which should be processed with care.

Cutting table should be cleaned before cutting. Table should be covered with felt and wastes such as small glass burrs, chips may damage the painted glass surface.

Cutting should be made on unpainted surface. Volatile cutting oil should be used while cutting (e.g. Acecut 5503). Cutting oil ratio to be used should be adjusted as the surface of glass is being cut. Cutting head pressure should be adjusted during the course of cutting.

After cutting glasses, they should be stacked where the painted surfaces will not be in contact with tables. Otherwise, there may be a risk of damage for the painted surfaces.

6. Shaping

Şişecam Lacquered Glass can be cut in any preferred form. Shaping quality depends on clean cutting.

Chamfering, grinding, beveling and drilling can be done. (Under the same conditions with mirrors)

Sandblasting and acid etching should be applied on the unpainted surfaces of glasses. Care should be taken for avoiding the contact between the materials used during these processes and the painted surfaces of glasses.

7. Washing

Detergents should not be used upon Şişecam Lacquered Glass. Otherwise, detergents may scrape the painted surface.

Water quality should be between 6.5-8 pH values. Water temperature should be less than 35°C.

After washing glasses, they should be thoroughly dried.

8. Application

Irregularities on processed surfaces should be fixed in order not to have visual problems or difficulties while applying.

Before applying, it should be checked that Şişecam Lacquered Glass is not wet.

Newly painted or plastered surfaces should be completely dry before Şişecam Lacquered Glass application.

Application surface should be dry and clean. Application should not be done on the walls possibly subject to humidity.

A space which allows air circulation should be left between Şişecam Lacquered Glass and application surface in order to prevent humidity accumulation.

Şişecam Lacquered Glass may be used in wet areas such as kitchens and bathrooms, but, should never be put into water. Access of water to the back side of Şişecam Lacquered Glass should be avoided.

Functional ventilation is required for humid environments.

A space should be left between glasses in multi piece applications for avoiding breaks due to compression.

Neopren or plastic gaskets should be placed on the drilled holes of Şişecam Lacquered Glass in order to prevent the contact between glass and materials such as screw.

9. Final product packaging

Paper should be used as a separator.

10. Isıcam and Double Glasses

It is not recommended to use Şişecam Lacquered Glass in double glasses or ISICAM combinations which is a trademark of Şişecam Flat Glass, even when the painted surface is positioned on the inner side.

11. Lamination-Tempering

Şişecam Lacquered Glass cannot be tempered.

Şişecam Lacquered Glass cannot be laminated as it does not stick to the PVB layer. If attempted, it will not be classified as laminated glass due to the low level of adhesion.

Where safety is a requirement, safety films should be used. Safety films should be applied on the painted surface.