

Particular glazing and processing guidelines

Particular glazing and processing guidelines

1. Storage and Transport	2
2. Accessories	2
3. DLS ECKLITE PRIVAT Insulated glass units	3
4. Requirements of the window frame	3
4.1 Rebate configuration	3
4.2 Profile system	4
4.3 Aluminium, Plastic and wood windows	4
5. Installation notes	5
5.1 Setting blocks	5
5.2 Application of the operating unit	5
5.3 Function control check	6
5.4 Commissioning in unheated buildings	7

Particular glazing and processing guidelines

1. Storage and Transport

DLS ECKLITE components are packed separately and must be carefully protected from dirt, humidity and heat during storage.

The DLS ECKLITE elements must only be handled and installed with a fully lifted blind packet; otherwise damage may occur to the cord system.

2. Accessories (Operating unit and tensioning unit)

DLS ECKLITE PRIVAT is provided with magnets integrated into the insulated unit. The external operating unit – comprising a cord ring, gearbox and opposing magnets, as well as the tensioning unit – is not factory pre-mounted. These accessories are packed separately and are to be adhered to the glass after glazing is complete.



Pic: Operating mechanism

Particular glazing and processing guidelines

3. DLS ECKLITE PRIVAT Insulated glass elements

DLS ECKLITE PRIVAT Standard composition is only to be installed in vertical applications. The use as tilt-turn or tilt opening vents is permissible up to a maximum of 10° from vertical.

4. Requirements of the window construction

The structural design of the sub-frame is to take into consideration the deflection capacity of the insulated glass units at their edges. Typically mullions are limited to max. L/300, whereby deflection in the transom is limited to max. 5mm.

4.1 Rebate

Current technical knowledge in Metal, plastic and wood framing systems only permits seal systems with ventilated rebates. To ensure that the external conditions occur in the rebate it is necessary to employ pressure-equalising. The frame construction must act with the seal system as moisture barrier to the inside climate. **The rebate must have a clearance of at least 5mm between glass edge and surface of rebate.**

Particular glazing and processing guidelines

4.2 Profile systems

DLS ECKLITE is suitable for installation in most common profile systems which accommodate the overall glass thickness. Minimum element thickness for standard composition is 39mm (cavity 29mm).

The system-necessary secondary seal depth of 14mm is to be covered by the exterior profiles. We recommend the use of EPDM gaskets with suitable lip-coverage.


4.3 Aluminium, plastic and wood windows

In order to ensure performance of the units it is necessary that all glazing systems provide a fault-free seal of the rebate under all potential conditions.

These guidelines include the Table "Performance Groups for Glazing of Windows" as well as explanations from the Rosenheim Window Institute (ift Rosenheim).

Combination constructions of Alu-Wood or Plastic-Wood are to be treated in the same manner as metal or plastic windows – with pressure-equalisation.

Wood windows are also to have glazing with sealed rebates. By current standard of technology this is possible in almost all constructions. Should an "opening" of the rebate not be possible to achieve pressure-equalisation, it is possible to fill out the rebate. Here it is possible that even the smallest fault or break in the seal of the frame or glazing system lead to damage of the insulated unit as moisture ingress is then

 Particular glazing and processing guidelines

trapped. No Warranty can be given for damage to the edge seal of the unit as a result of this.

5. Installation notes

5.1 Setting blocks for DLS ECKLITE PRIVAT

General guidelines for blocking of insulated glass units apply. It is important to ensure when blocking that the DLS ECKLITE SC elements are installed exactly horizontally, otherwise the louvers may come into contact with one side of the vertical spacer bars. Uniform movement of the blind may be disturbed as a result.

When laminated glass is used as part of the DLS ECKLITE Insulated glass unit it is important to ensure that blocking and sealing materials are compatible with the PVB interlayer.

The width of the blocks is to be suitable for the overall thickness of the element.

5.2 Application of the operating mechanism

Following successful installation of the windows it is necessary to clean the surfaces of the ECKLITE insulated glass unit particularly where contact are made. The protective layers of the contact surfaces are to be removed and the magnet of the operating mechanism is to be placed exactly covering the magnet in the cavity of the DLS ECKLITE PRIVAT Element. After this the tensioning mechanism is hung into the loop at the lower end and pulled gently downwards

Particular glazing and processing guidelines


until the spring in the tensioning mechanism is set-in (approx. 10 mm - 15 mm). Following this, the tensioning mechanism is attached to the glass. The pull-cord should be released once this is adhered. The pull-cord should remain loose until complete curing of the adhesive film.

After the magnetic connection has been achieved, the blind should be tested once up and down by pulling carefully on the cord. Because the adhesive surfaces of the operation and tension mechanism are not ready to completely cured, normal use should only commence approx. 24 hours after adhesion.

5.3 Function check

The function check must be carried out at temperatures > 0 degrees Celsius.

The function check is considered to be the point in time after delivery when the DLS ECKLITE element is first lifted and lowered. The function check must be carried out within 14 days of delivery, at the first point of delivery and before installation of the unit. Our warranty will only be valid when the end check form has been completed and sent to us within 14 days of delivery. This end check form is basis of our warranty. Should it not be returned in a timely fashion then our warranty will no longer be valid.

 Particular glazing and processing guidelines

5.4 Commissioning in unheated buildings

The commissioning of units at low temperatures i.e. below zero degrees Celsius is not permissible.

This must be considered particularly during construction phase and in unheated buildings.