

HYGICRYSTAL clips window assemblies

Applications:

The Polysto Clips Window Assemblies are used in controlled environments, and have been installed in many different industries, such as pharmaceutical, biotechnological, electronic, food, screen printing and many more. 'Clips' is referring to the frame which is clipped on one side of the window assembly and thus tightens the window into the wall opening. Clips windows are an airtight assembly, easily and quickly installed resulting in an aesthetic and symmetric finish.

Specifications:

The assembly is built up of 2 parts: the FRAME and the GLAZING

The frame:

Depending on the frame profile used, a Polysto Clips Window Assembly can be produced for different wall thickness'.

Special designed frame:

For special projects we develop and design custom made frames which match the customers' specific needs or customized specifications.

The glazing:

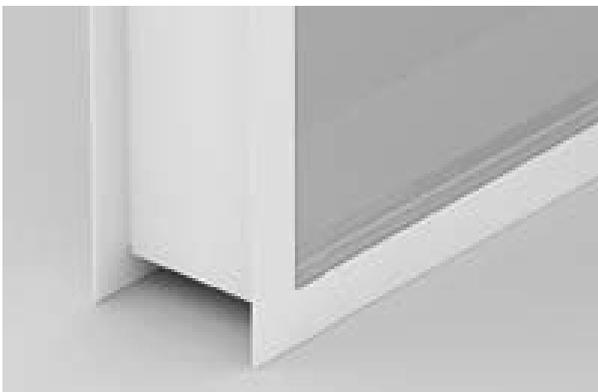
The glazing is installed on both sides of the frame. Standard Polysto Clips Window Assemblies are provided with laminated glass.

Final Assembly:

In order to keep the inside of the finished window assembly as dust free as possible, all operations are executed in a controlled environment, including the addition of the hygroscopic crystals in the frame.

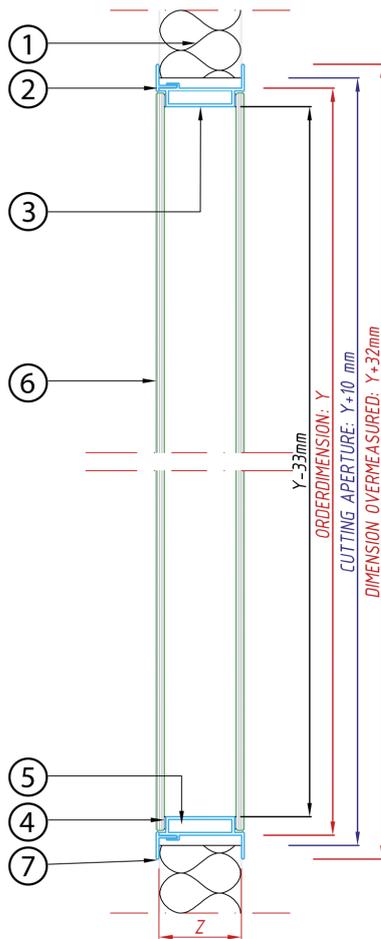
Options:

- Tempered glazing
- Stores / Blinds
- Stainless steel
- Film (Protective , U.V., ...)



1) Standard profile 36, 40, 60, 80 & 100 mm:

The powder coated profile is manufactured from extruded aluminum. This profile has on one side an additional 12 mm lip which, when assembled, forms on one side the external frame and thus simplifies the installation in the partitioning. All profiles are coated and then cut to length using a computerized saw for a perfect mitred corner joint. Hygroscopic crystals are placed in the cavity of the bottom profile, before the profiles are wedged and glued together on a calibrated surface, forming a frame with perfect angles and thus preventing internal condensation.



Legend

Dimensions

All dimensions are mentioned in millimetre (mm)

Order sizes:

X: Width

Y: Height

Z: Thickness of partition

Requested cut-out in partition:

X + 10 mm: Width

Y + 10 mm: Height

Overall dimensions:

X + 32 mm: Width

Y + 32 mm: Height

Z + 4 mm: Thickness

Materials

1 Partition

2 Laquered aluminium clips profile

3 Aluminium base profile

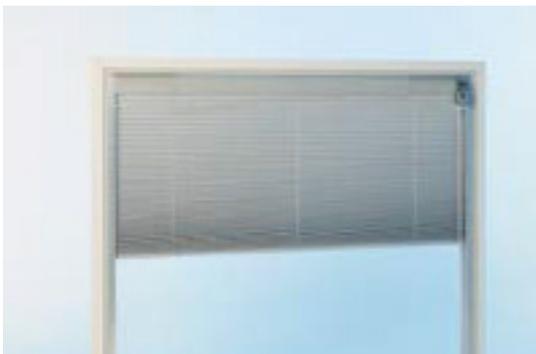
4 Doublesided tape

5 Hygroscopic crystals

6 Laminated glass

7 Silicone seal

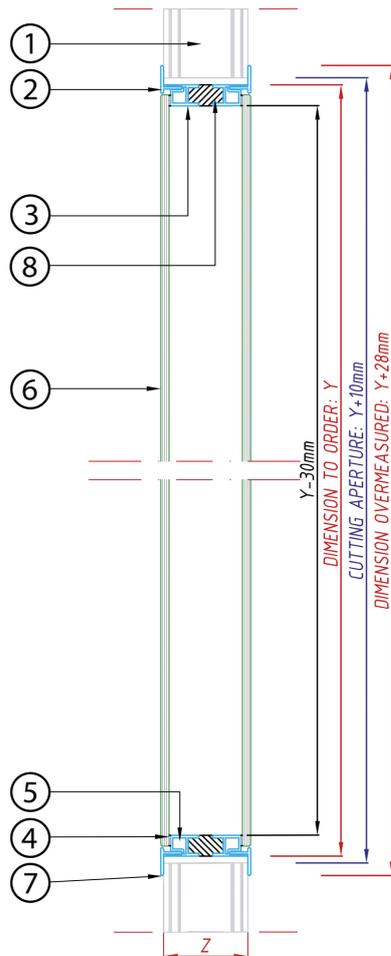
Remark: All dimensions, except order sizes, as well as the profile can be modified without prior advice.



2) Profile with adapted thickness:

The frame comprises 2 outer aluminum profiles and a middle section with an adaptable width, this being dependant on the wall thickness in which the window assembly is to be installed. All profiles are coated and then cut to length using a computerized saw for a perfect mitred corner joint.

Hygroscopic crystals are placed in the cavity of the bottom profile, before the profiles are wedged and glued together on a calibrated surface, forming a frame with perfect angles and thus preventing internal condensation.



Legend

Dimensions

All dimensions are mentioned in millimetre (mm)

Order sizes:

X: Width

Y: Height

Z: Thickness of partition

Requested cut-out in partition:

X + 10 mm: Width

Y + 10 mm: Height

Overall dimensions:

X + 28 mm: Width

Y + 28 mm: Height

Z + 4 mm: Thickness

Materials

1 Partition

2 Laquered aluminium clips profile

3 Aluminium base profile

4 Doublesided tape

5 Hygroscopic crystals

6 Laminated glass

7 Silicone seal

8 Intersection

Remark: All dimensions, except order sizes, as well as the profile can be modified without prior advice.

HYGICRYSTAL flush window assemblies

Applications:

The Polysto Clips Window Assemblies are used in controlled environments, and have been installed in many different industries, such as pharmaceutical, biotechnological, electronic, food, screen printing and many more. 'Clips' is referring to the frame which is clipped on one side of the window assembly and thus tightens the window into the wall opening. Clips windows are an airtight assembly, easily and quickly installed resulting in an aesthetic and symmetric finish.

Specifications:

The assembly is built up of 2 parts: the FRAME and the GLAZING

The frame:

Depending on the frame profile used, a Polysto Clips Window Assembly can be produced for different wall thickness'.

Special designed frame:

For special projects we develop and design custom made frames which match the customers' specific needs or customized specifications.

The glazing:

The glazing is installed on both sides of the frame. Standard Polysto Clips Window Assemblies are provided with laminated glass.

Final Assembly:

In order to keep the inside of the finished window assembly as dust free as possible, all operations are executed in a controlled environment, including the addition of the hygroscopic crystals in the frame.

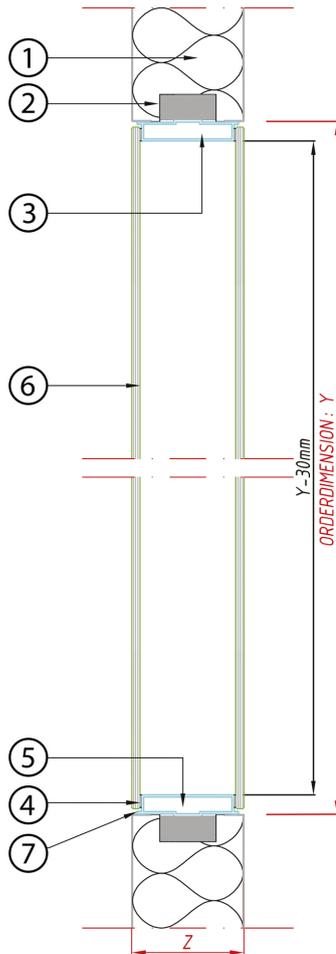
Options:

- Tempered glazing
- Stores / Blinds
- Stainless steel
- Film (Protective , U.V., ...)



1) Standard profile 40, 60 & 80 mm

The powder coated profiles are manufactured from an extruded aluminum section. These profiles are cut to length using a computerized saw for a perfect mitred corner joint. Hygroscopic crystals are placed in the cavity of the bottom profile, before the profiles are wedged and glued together on a calibrated surface, forming a frame with perfect angles and thus preventing internal condensation.



Legend

Dimensions

All dimensions are mentioned in millimetre (mm)

Order sizes:

X: Width

Y: Height

Z: Thickness of partition

Requested cut-out in partition:

X + 3 mm: Width

Y + 3 mm: Height

Overall dimensions:

X + 0 mm: Width

Y + 0 mm: Height

Z + 0 mm: Thickness

Materials

1 Partition

2 PE profile

3 Aluminium base profile

4 Doublesided tape

5 Hygroscopic crystals

6 Laminated glass

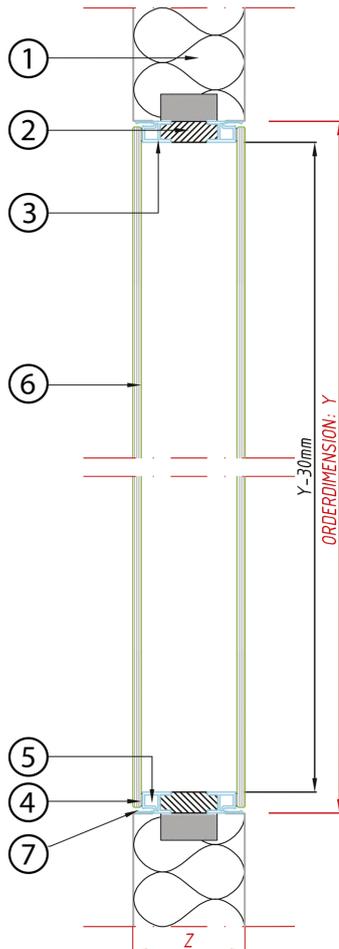
7 Silicone seal

Remark: All dimensions, except order sizes, as well as the profile can be modified without prior advice.



2) Profile with adapted thickness:

The frame comprises 2 outer aluminum profiles and a middle section with an adaptable width, this being dependant on the wall thickness in which the window assembly is to be installed. All profiles are coated and then cut to length using a computerized saw for a perfect mitred corner joint. Hygroscopic crystals are placed in the cavity of the bottom profile, before the profiles are wedged and glued together on a calibrated surface, forming a frame with perfect angles and thus preventing internal condensation.



Legend

Dimensions

All dimensions are mentioned in millimetre (mm)

Order sizes:

X: Width

Y: Height

Z: Thickness of partition

Requested cut-out in partition:

X + 3 mm: Width

Y + 3 mm: Height

Overall dimensions:

X + 0 mm: Width

Y + 0 mm: Height

Z + 0 mm: Thickness

Materials

1 Partition

2 Intersection

3 Aluminium base profile

4 Doublesided tape

5 Hygroscopic crystals

6 Laminated glass

7 Silicone seal

Remark: All dimensions, except order sizes, as well as the profile can be modified without prior advice.

