



VIDROTORRE

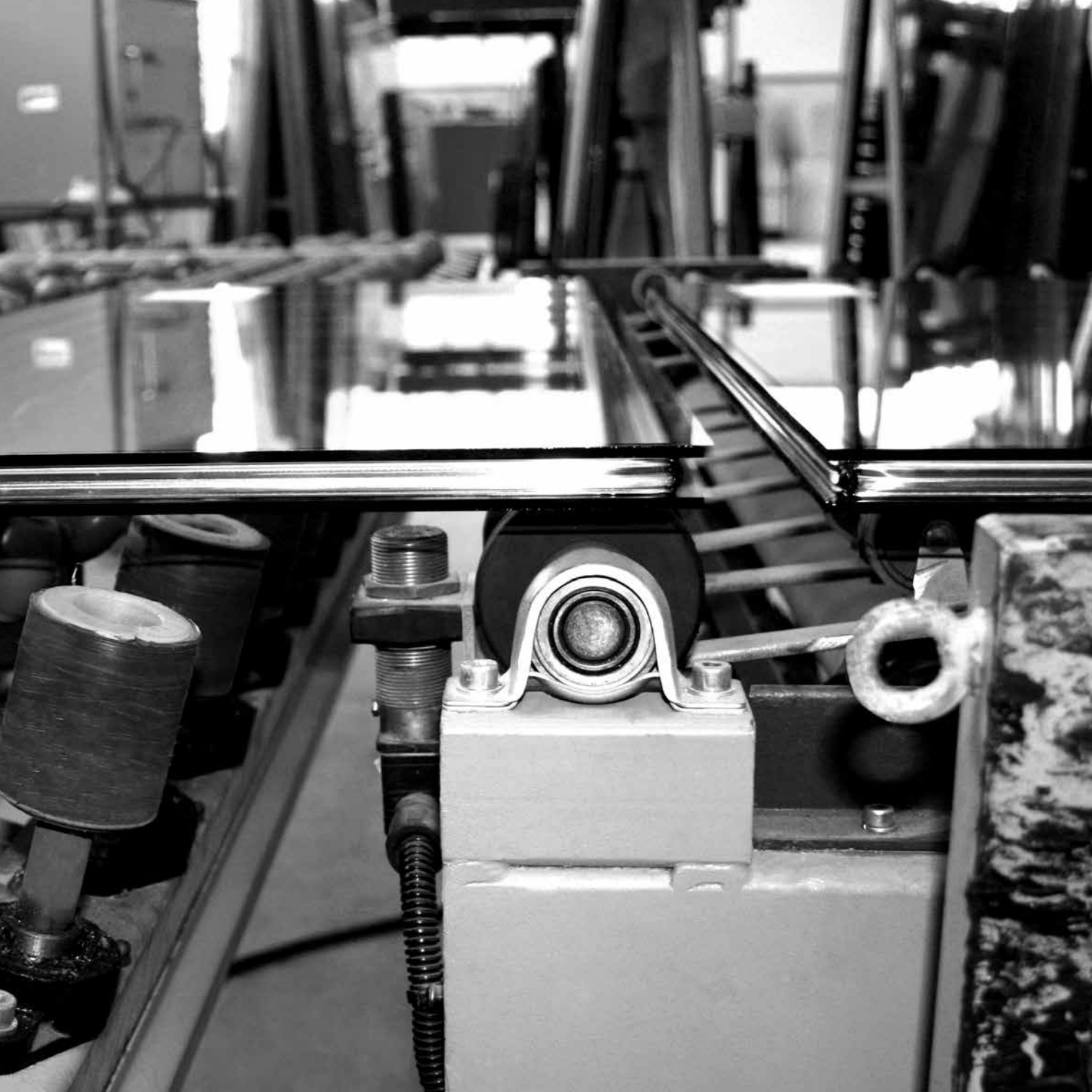
Indústria Transformadora de Vidro Plano, Lda.

VIDROTORRE

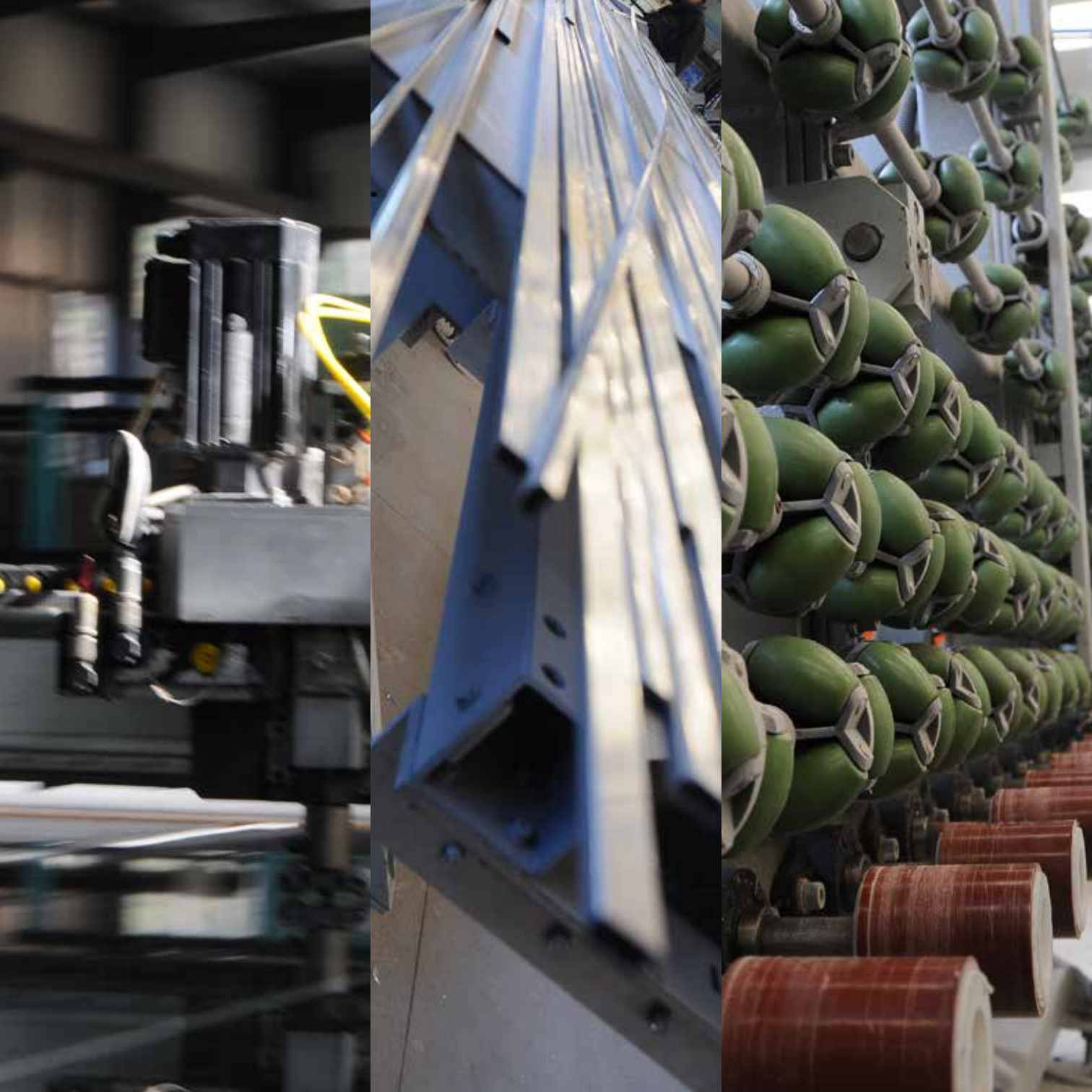
With over 25 years experience in the market, we strongly believe in the development of companies moved by the entrepreneurial strength, work, seriousness and keeping permanent and sustainable growth. Our actions are based on ethical, moral and legal principles, respecting people, institutions and life. The honest and fair treatment to all - customers, suppliers, employees and the community at large - is imperative for the preservation of our heritage. The main goal of the company is to offer the best to our customers, concerning customer service, product quality, prices and service provision.



We are a company certified by ISO 9001/2008;
We manufacture Double Glazing according to EN 1279;
We represent the trademark AISLAGLAS;
We are covered by the CE marking;
We are a acceding company for SEEP (Energy Labelling Products System);
We are leading SME (small and medium-sized enterprise).



*We are available to hear about your projects and ideas, by advising you on the best glass solution to meet your demands.
Be surprised on the versatility of glass!*



MISSION

According to ADENE (Agency for Energy) the building sector is responsible for nearly 40% consumption of the final energy in Europe. Nevertheless, over 50% consumption can be reduced by taking measures on energy efficiency. It can represent an annual reduction of 400 million tonnes of CO₂ - nearly the entire commitment from the EU within the Kyoto Protocol.

Vidrotorre aims to minimize the energy consumption, for economic purposes and to reduce CO₂ emissions, in order to mitigate the greenhouse effect and the environmental impact. This goal can be achieved by training and information to the customer that manufactures aluminium/PVC/wooden windows and the general public on the importance of the correct choice on double glazing.

DOUBLE AND TRIPLE GLAZING



Simple Glazing

$U = 6 \text{ W/m}^2\text{K}$ (5700kg de CO₂)



Double Glazing 4-16-4

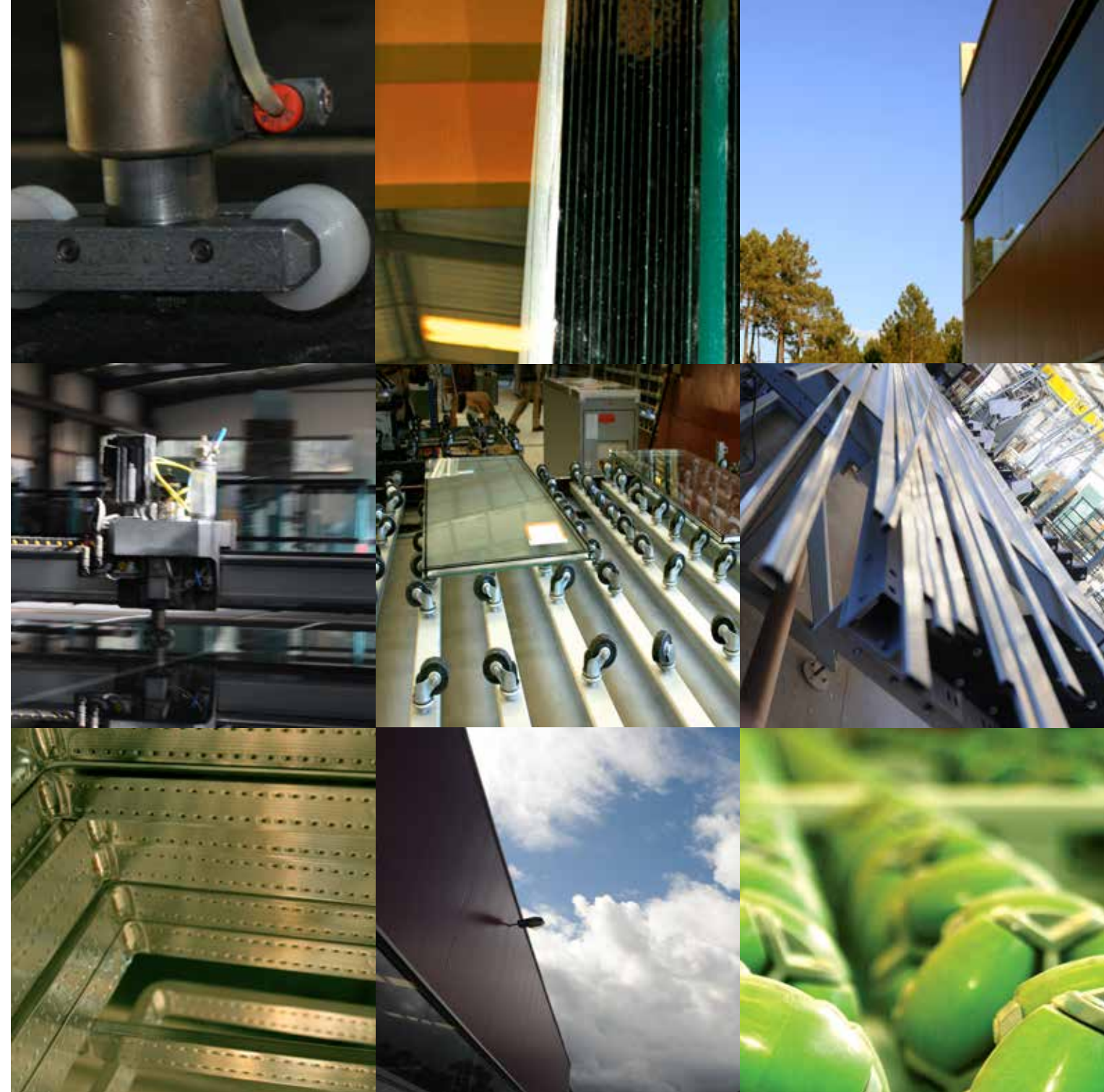
$U = 2,7 \text{ W/m}^2\text{K}$ (2755 kg de CO₂)



Double Glazing with Isolation Reinforced

$U = 1,1 \text{ W/m}^2\text{K}$ (1045kg de CO₂)

Another important aspect that should remember is that in every house with thermal double glazing can to preserve the natural environment from 2 tonnes of CO₂ emissions + other pollutant gases per year. Considering the Portuguese consumption scale, the use of a thermal double glazed unit would represent an annual energy saving of 1 million tonnes of fuel. This figure is equivalent to the annual consumption of 1 million vehicles, reducing 1,5 million tonnes of CO₂ emissions + 4.000 tonnes of SO₂ + 2.000 tonnes of No_x, which are very harmful gases for the human health and climate conditions.





SERVICES

Technical Advise

We have the best solutions, considering several technical and economic factors. Through our specialised department and the support of engineers, we give technical and aesthetic advise, studying each case separately, providing a customer oriented and professional service.

We also create original projects through Lima's Glass, the art and design department.

Assembly and Delivery

We assembly and deliver our products throughout the country and Europe.

APPLICATIONS

Windows

When we mention windows, we are referring to double glazing and thermal and solar control, which will help you to reach a high level of comfort at home or the office. Glazing with thermal and solar control have a protective covering that prevent the energy transmission from the inside to the outside and vice-versa.

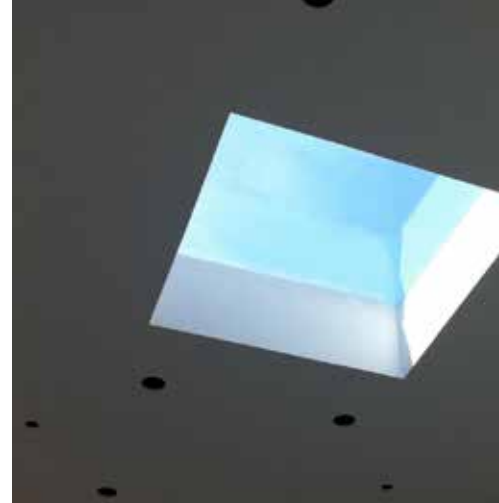
Therefore it can maximize winter heat gain, keeping the cold outside. In summer is the reverse situation. Also thermal and solar glazing can highly reduce the charge in the energy invoice, becoming an environment-friendly product. These glasses only work when set in double glazed units. Double glazing can also combine several important properties for your feeling of comfort (e.g. safety glasses, acoustic glasses).

Skylights

Glass is really the best material concerning the use of natural light in architecture. Skylights use safety glasses, also known as laminated, often combined with thermal and solar glasses, to assure maximum safety and the best comfort.

Mirrors

Mirrors are used to see our own reflection. Nevertheless, as time went by, mirrors had other architectural functions and was considered an optical illusion element to increase spaces or used as decoration.





Bathroom divisions / Shower enclosures

Having a shower is a relaxing moment, so we must feel good and protected. Vidrotorre shower enclosures are made of tempered glass, using transparent or frosted glasses, fingertip drawings, or combining the effect of transparency and colour.

Wall lining

Ideal for adding colour to interior walls. The lining is usually made of lacquered glass, in a wide range of combining colours. You can change a plain wall into a wall with glass tiles in different colours and shapes. You can also decide to use frosted glass or screen printing in order to create new designs and patterns.

Partitions

Glass partitions are a very elegant and quality option. They can be made of tempered glass, set with metallic pieces, or laminated glass, set on gutters or frames. It has several applications and allows the use of space according to your needs, making the most of light and visibility.

Furniture

Glass can be used in furniture, giving special brightness and/or transparency. From the several uses, we emphasize table or counter tops, showcases, bookcases, shelves and closet door linings.

In these cases we use lacquered, screen printing, printed, frosted, fused glass or even mirrors for a wide range of finishing processes.

Doors

Glass inserts for exterior doors must have the same features as for windows, already described. We must consider safety, thermal and solar control as well. For interior doors we must also focus on safety. Furthermore, in this situation we use a wide range of glass, like translucent, lacquered, tempered, printed with patterns, frosted with drawings and stained glass.

The great advantage of using glass inserts for doors, either for interior or exterior doors, is the light transmittance entering your house.

Pavements

Nowadays we think of glass as an elegant and resistant pavement. That pavement consists of a safety glass specially designed to bear impact and weight. As the glass surface is completely smooth and slippery, we must apply a anti-slip screen printing to protect users. It is great to combine decorations on pavements, small spaces or stairs with glass steps.

Stairs and balconies

Stairs and balconies can have more delicacy and brightness if we are able to use the natural light that passes through the glasses.

In this case we use safety glasses, also known as laminated glasses (an assembly consisting of one or more sheets of glass joined together with one or more interlayers). In case of breakage, the interlayer serves to retain the glass fragments, limits the size of opening, offers residual resistance and reduces the risk of cutting or piercing injuries.

Although they seem fragile, handrail glasses are very resistant.

Stained glasses

See website: www.limasglass.com





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