

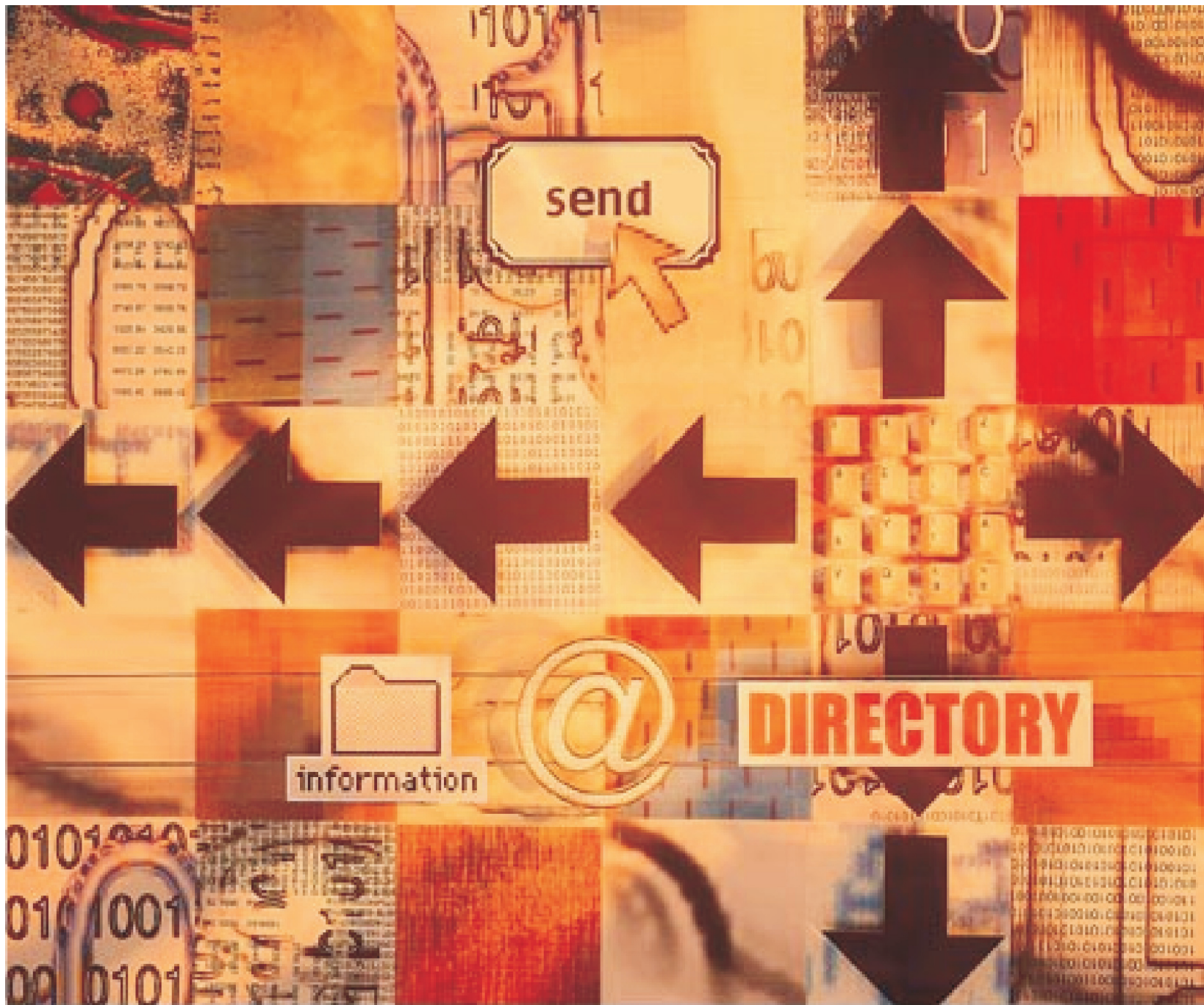


DEEPA BUILDING SYSTEMS
UPVC Products



UPVC Windows and Doors

We bring to the people what is most precious to them,
the comfort of well being...



DBS

I N T R O D U C T I O N

U
P
V
C
R
E
V
O
L
U
T
I
O
N

O M P A R I S O N C H A R T

S
A
V
E
T
H
E

P L A N E

P
R
O
D
U
C
T
I
N
F
O
R
M
A
T
I
O
N

S A L I E N T F E A T U R E S

T
E
C
H
N
I
C
A
L

T H E F A B R I C A T I O N P R O C E S S

D
A
T
A

D R A W I N G S

D
B
S
+
A
D
V
A
N
T
A
G
E
S

P
R
O
F
I
L
E

NATURAL HARMONY



Indian Green Building Council

SEE EVERYTHING IN A NEW LIGHT

DEEPA BUILDING SYSTEMS

Established in 1998 we are one of the leading aluminium system producers in Bangalore. Owing to the growing market requirements and conditions of the new age window and door framing material we have entered into the UPVC revolution. Having had 10 years of experience in the window and door field, we at Deepa Building Systems understand what is required by our new generation of customers in terms of product quality, style and reliability.

The DBS System is well equipped with high tech machinery and we are spread over six thousand Sq.ft of work area in Bangalore's industrial hub. We have highly trained personal with training given in Europe to ensure top quality and on-time delivery. Designed, manufactured and tested to the most stringent standards, our range of products come with EN-A Certificate & ISO 9001 Certificate. White profile with twenty years warranty, colored profiles with a ten year warranty and hardware with twenty thousand movements warranty.



70 mm

or

how to make the impossible possible

zendow did not choose the 70 mm option; instead, the 70mm option chose **zendow**.

Once the components had been reinvented in detail, the 70 mm profile height revealed itself as the obvious conclusion. It is indeed the only dimension that combines the requirements of efficiency, compatibility and performance.

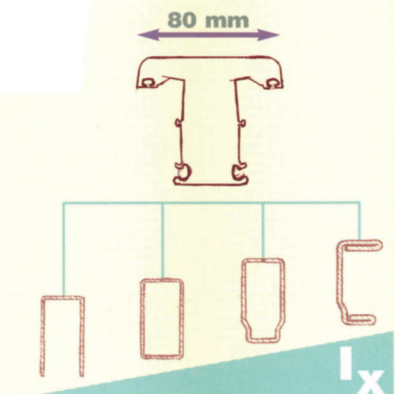
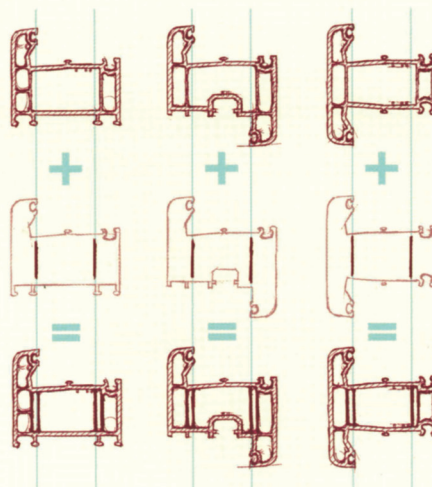
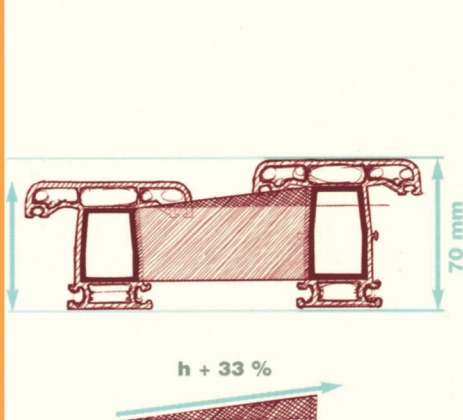
Deceuninck's objective was to use reinforcements with the best cost/effectiveness ratio.

In other words, maximum strength for a minimum cost.

zendow is the profile concept that integrates the **possibility to choose between 3 or 5 chambers without changing the fabrication parameters: 5-2=3.**

Next, we intended to develop a transom that combined both strength and minimal sightlines.

Thanks to the optimised geometry and strength of the reinforcements, we have succeeded in developing an **80mm wide transom concept, which will comply with at least 95% of all applications.**

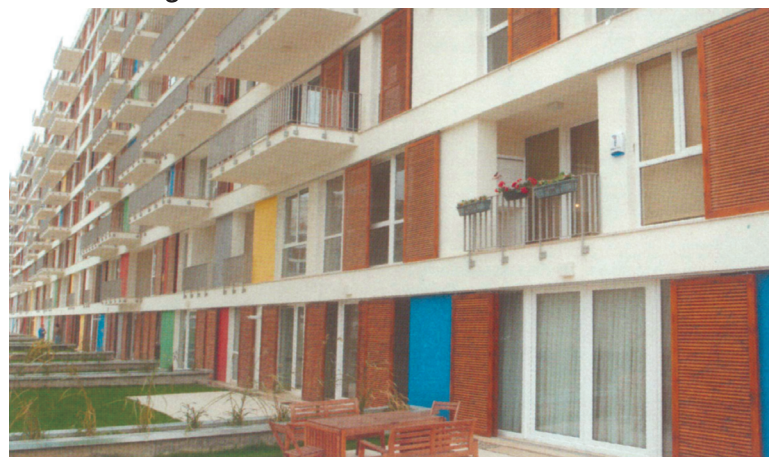


In addition to all these benefits, **zendow's** 70mm height also offers excellent thermal, acoustic and weather performances.

BUILT TO LAST

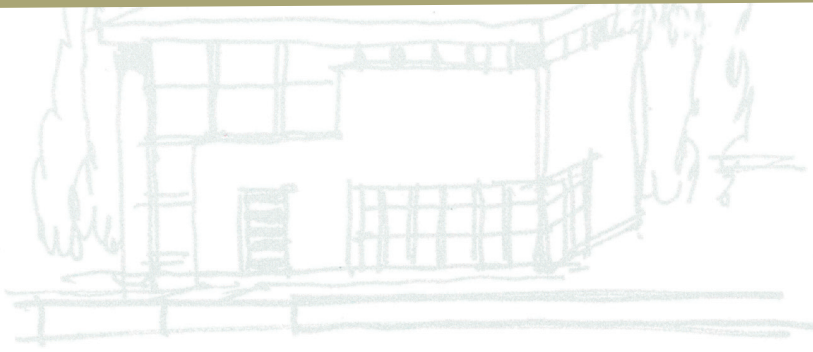
Being a privately owned company we focus on long lasting relations and alliances with our customers. We offer consistent quality with endless variety:

- Sliding Window
- Tilt and Turn
- Combination of single opening and V window
- Combination with fixed mullion
- Double opening window with false mullion
- Combination of inward opening windows and fixed light with V window
- Bay window
- Combination integrating decorative glazing bars
- Sliding door/lift and slide door
- Residential door with fixed sidelight
- Combination of single opening window with paneled fixed light
- Combination with curved fixed top light
- Residential door
- Tilt and slide door
- Sliding Folding Door
- Sliding Fly screen system
- Openable Fly screen system



Deepa Building Systems has an infinite range of design options irrespective of the item concerned: large scale elements, facade projections, or normal windows and doors of all shapes and sizes.

Our profiles are galvanized-steel re-inforced for maximum strength, durability and security. The profiles are built to last with welded or mechanically jointed mullions and transoms.



Inspired design



New proportions

Reduced sightlines

zendow's 70mm width already allows you to enhance the rigidity of the profile and optimise further the inertia of the reinforcements. This has allowed us to reduce the sightlines to a minimum, which in turn increases the glazing surface and penetration of daylight.

Symmetrical profile concept

zendow's unique symmetry offers beauty both inside and outside the window, allowing you to create a coherent theme in all your projects. So, whether the window is open or closed, you can feel confident the style remains consistent throughout.

An eye for detail

Deceuninck's unwavering eye goes further than the window itself. From the drip rails, Georgian bars and sills, to the coupling profiles, false mullions and more, Deceuninck has considered every aspect of **zendow** to maintain maximum coherence in design and visual aspect.

New desing

The profile shape

As with most things in life, the simple approach is often the best. The **zendow** design is a true testament to this insight. The unique shape is visually appealing in its own right, while complementing a host of architectural styles. In essence, **zendow** embraces classical and contemporary architecture, while its warm, sensuous curves are a delight to the senses.

Theameleon approach

Whatever the style of your project, you can adapt **zendow** to blend with your design aims. From the range of glazing beads to the false mullions, you can modify the window's appearance completely. Even better, you can change **zendow** without any effort or implications to the fabrication process.

Effortles bending

The typical **zendow** design easily complies with bending conditions. What is more, the soft rounded shape of the profile even complements the curved window sections.

DARE TO DREAM

THE UPVC REVOLUTION :

UPVC(Unplasticised Poly Vinyl Chloride) is a product of natural resources. The new age range of these products has been designed to work in the Indian condition and helps save energy thereby reducing costs. All over the world UPVC is rated better than traditional wood or aluminium as a material for window and door frames.

The main advantages of using UPVC material are its durability, low maintenance, design flexibility, saves energy and above all is competitive in its price and can be easily processed and fabricated.

SAVE THE PLANET:

Windows account for 15-20% heat loss depending on the over-all insulation of the building. A window system which is properly insulated can bring down heating, lighting and cooling costs.

UPVC contributes to good ecological balance in terms of less energy consumption and reduction of pollution due to the fact that the material is completely recyclable.

know how

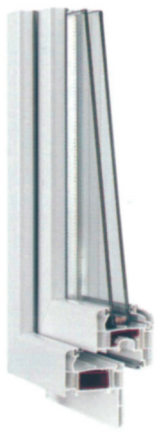
WOOD

ALUMINIUM

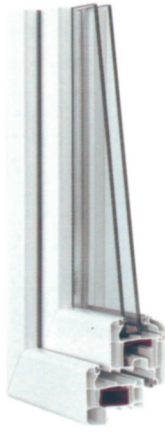
to focus on the essentials >>> UPVC

DBS-THE COMPARISON CHART

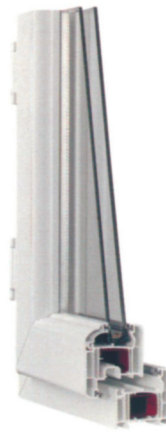
	ALUMINIUM	WOOD	DBS - UPVC
Durability	High risk of rusting or bending	Can warp	Steel reinforced profiles which last a lifetime
Maintenance	Painting time to time	Regular Painting and polishing	Maintenance free
Surface Quality	Powder coating/anodizing wears out setting in corrosion	Regular up-keep required	Hassle free
Acoustic Insulation	Mechanically joint corners- thus fair	Poor	Welded corners- thus excellent
Thermal Insulation	Poor	Poor	Excellent
Energy Conservation	Poor	Good	Excellent
Fire Properties	Excellent	Poor	Excellent



zendow arcitrave frame/sash 50



zendow asimetric frame/sash 60

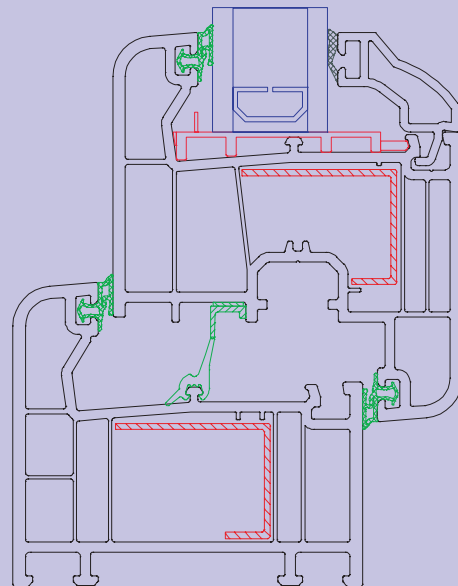
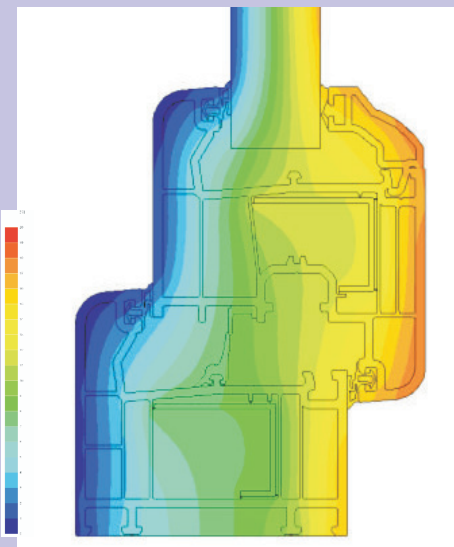


zendow frame 44/sash 60



zendow frame 36/sash 50

TOTAL PROTECTION



INSULATION

OPENING YOUR WINDOORS TO PERFECTION

SALIENT FEATURES - THE PERFECT WINDOW

Very good Sound Insulation:

The protection against traffic noise is an essential characteristic of a modern window in order to ensure a comfortable life at home and in the office. Sound insulation of the steel reinforced 5 chambered DBS profile design is inherently good. It is further reduced by choosing the appropriate glass. DBS can reduce noise by 42.8 decibels using double glazing.

High thermal insulation:

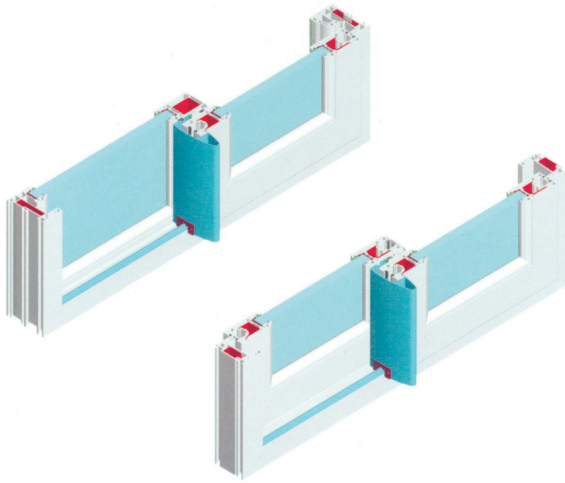
As the structure of the DBS 5 chamber profile system prevents thermal bridging the thermal insulation performance of the finished window is increased. Glazing also contributes for good thermal values, inturn contributing to saving energy. Thus a properly insulated window system can actually bring down heating, cooling and lighting costs.

High Weathering resistance and UV Stability:

They do not warp, corrode, rot or change their color even under extreme temperature or weather even when installed in buildings near the sea, where there are strong winds, salty air or heavy rains, DBS windows fulfill the standards. They are water & moisture proof. High stability window and door profiles made of UPVC offer the best solution for increased safety. Special fittings and glazing, multi point locking, qualified window fabrication, and expert installation offer an enhanced security level. For this reason DBS windows and door glass panels are always internally beaded.



Sliding Systems



Solex 10 years warranty



The DBS sliding System has been designed to ensure you the freedom to escape from the haste of daily life; to ensure your wish to live a life close to nature, and to ensure you to think freely in architectural designs.

○ System Integrity

Special details and solutions are possible because of the 26 different PVC profiles in the system. There are 3 different frame profiles, including a 2 track sliding frame, fixed sliding frame and fixed sliding architrave frame. The sliding system has two different sliding sash profiles (3 chambered) to be used based on the dimensions of the window/door to be manufactured. In the window sliding system, the aim is to increase the area of glass, ie. external view; whereas, in the door sliding system, static resistance has been drastically improved.

○ Insulation Concept

This concept was the most important during the design phase of the sliding system. All the profiles and auxiliary materials in the system are designed aiming to achieve the highest insulation factor. Front closing and interlocking profiles are produced with TPE gaskets in order to improve insulation. In addition, other injection molded parts were developed in order to improve insulation in the system. The system has also been designed to accept up to 28mm of glass for better insulation

- Compatibility with Zendow, Everest Max and Everest Systems. The 2 track Sliding and Fixed Sliding Systems may be combined with Zendow, Everest Max and Everest systems by using auxiliary profiles specially designed for this purpose.

○ New aluminium profiles

The static resistance of doors against wind has been improved by adding of aluminium front closing and aluminium interlocking profiles. These profiles allow you the opportunity to have wider and higher doors. In addition, these profiles act as a handle support esthetically.

- The Possibility to provide fixed sections in the 2 track sliding frame and Fixed sliding Systems Fixed section can be provided at top, bottom and sides in the 2 track sliding frame and fixed sliding frame applications.

CHOOSE TO GROW TO A NEW DIMENSION

Tropical Mix:

Profiles are made by Tropical Mix compound. This compound is specially engineered for high UV radiation areas. Tropical mix allows resisting for a long period on high UV radiation and heat.

Elegant and Long lasting:

They are termite and fungal resistant, fire retardant, and no painting or varnishing required.

Economical:

The DBS products are comparatively economical in comparison to the other products available in the market. Our products also help in bringing down, heating, cooling and lighting costs.

Customized Window:

Whether its with regard to design, specification, color or finish each window is tailor made according to the requirement. You can virtually have any width and height you need.

Maintenance Free:

Its smooth surface makes it very easy to clean. No fading or discoloration hassles, they are even dirt resistant as there are no open pores.

Easy To Install:

Any automated or manual processing is possible. It is thus very easy and quick to install.





Sliding Flyscreen System

Sliding Flyscreen System



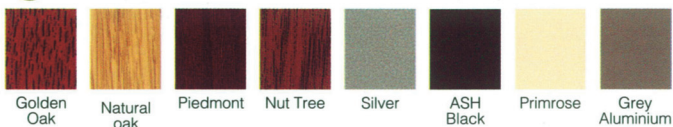
DBS has proved its difference with the genuine design of Sliding Flyscreen System which is one of the most significant necessities in the sector. The right of the design for Sliding Flyscreen system belongs to Ege Profile and has many advantages compared to conventional flyscreen systems

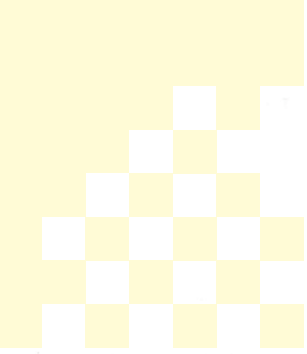
Sliding Flyscreen System is composed of the sash profile, the transom profiles and two different types of rail profile. The big rail (38mm) is used for double rail frame and the small rail (22mm) is used for single rail frame. Sliding Flyscreen System absolutely prevents the entry of flies and other insects with double brush application in compliance with the production details.



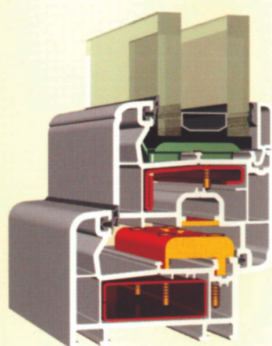
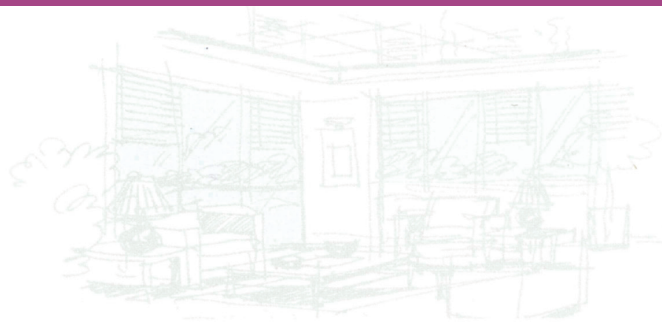
It is the only Sliding Flyscreen System with the possibility to be laminated completely. It may be coated with the same color as the window; therefore, it provides a visual integrity.

solex 10 years warranty





through a certified performance



Security

The additional central barrier

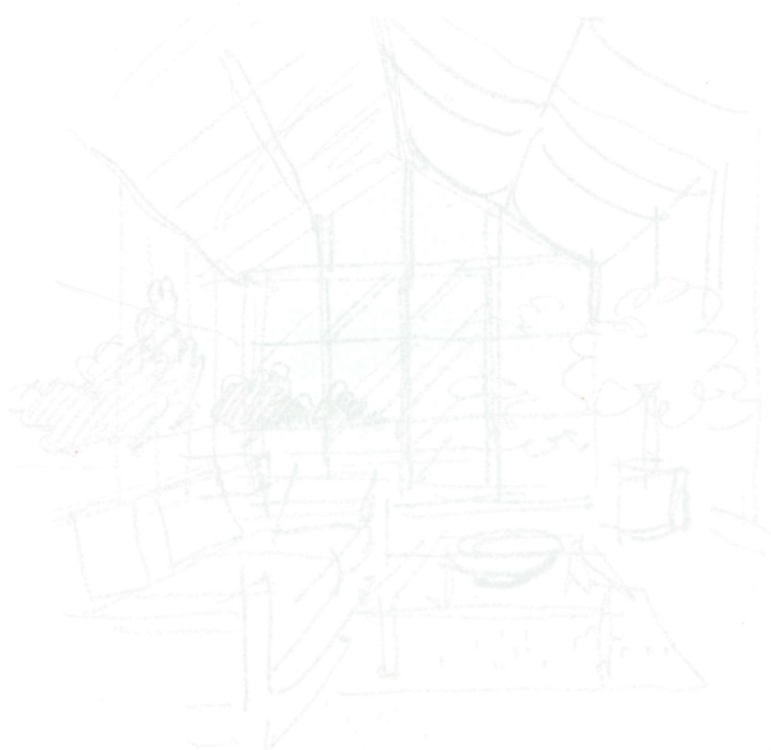
zendow features an innovative central barrier, by integrating a small upstand in the drainage area. It serves as an extra barrier against possible water infiltration and hardware corrosion. What's more, it will render the striking plates less accessible, increasing as such the security against forced entry.

Even after installation, the central pip can be used as a support to clipfit a third seal, rendering **zendow** even more performant both in air & water tightness and in acoustic and thermal insulation.

Anti-burglary protection

For your complete confidence, **zendow** is compatible with all anti-intruder devices on the market while offering these extra security features:

- Ability to screw fix anti-intruder hardware directly into the steel reinforcement.
- Fixing of the striking plates behind the central barrier
- Positive & secure location of the glass, thanks to the 20mm glazing rebates
- A high-end door concept



Passion For Excellence

PRODUCT INFORMATION:

GENERAL PRODUCT INFORMATION:

Profile Processing:

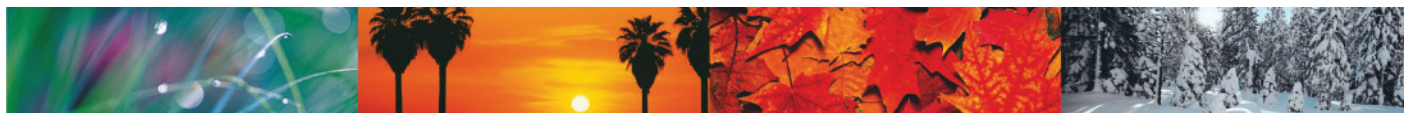
Welding of the laminated profiles according to technical rules is possible, without a negative influence on the quality of the film.

Chemical Resistance:

Due to the excellent chemical resistance of PVDF, RENOLIT fast surfaces are resistant to most organic solvents and bases, aliphatic and aromatic Hydrocarbons, alcohols and halogenated solvents. With exception of fluorine, our film is also resistant to halogens (Chlorine, bromine, iodine). Not resistant to strong organic solvents (acetone, ethyl acetate, diethyl form amide,...), fuming Sulphuric acid and amine, basic liquids with pH > 12. Please take into account, that the chemical compatibility is strongly dependent on time, temperature, concentration, chemical condition and state of aggregation of the substance. Please be careful in the area of cutted edges of the film (e.g. welded corners), since the film is unprotected in in the cross section. Side penetration of chemicals can never be excluded.

Maintenance:

Appropriate cleaning with standard household cleansing-agents, excluding abrasive products. For Pollution special cleaners are available. Further maintenance is not necessary.



PRODUCT - INFORMATION

TYPE OF FOIL

RENOLIT FAST

Embossed films, according to RAL GZ 716 / 1, for lamination onto profiles for outdoor use in vertical assembly

Article - Nr.:

30.30.30 – RENOLIT FAST plain

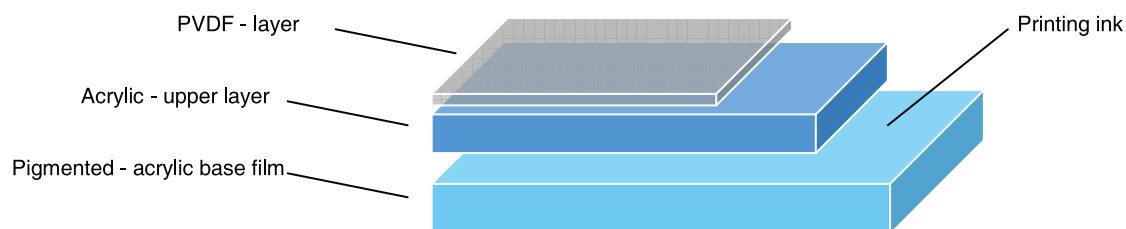
30.30.31 – RENOLIT FAST printed

Thickness:

170 µm

Embossing:

083



TECHNICAL DATA

	Standard Test Method	Unit	Values	Tolerances
1 Thickness	DIN EN ISO 2286-3	µm	170	± 20
2 Tensile stress at break	DIN EN ISO 527 - 3	MPa	15	± 15
3 Elongation at break	DIN EN ISO 527 - 3	%	60	> 60
4 Dimensional change	DIN 53377	%	5	< 5

to 1: Plunger – 10 mm Ø with flat surface, pressure 50 kPa, measuring over embossing

to 4: 10 Min / 100°C

5 Weatherability	EN 513 - method 1	Colour change ☒ grey - scale 3 after the samples have received 16 GJ / m ² , according the requirements of RAL GZ 716 / 1 part 7
6 Moisture resistance	DIN 50017 KFW	Colour change ☒ grey - scale 3
7 Abrasion resistance	ISO 105 - X 12	Grade 5
8 Scratch resistance	Erichsentest 435	20 cN
9 Embossing stability	PA - QSP 10.4	no change in embossing, colour and gloss

to 5: Grey - scale according to ISO 105 - A03

to 6: after 14 days immersion, Grey - scale according to ISO 105 - A03

to 9: **RENOLIT** - test method 10 Min. / 80°C

Found Solution for Sound

THE FABRICATION PROCESS

Profiles:

Hollow, Multi chambered and steel re-in forced for strength and insulation

Welding:

Improves insulation due to perfectly sealed joints, the unit is designed in a way that water does not pass through the multi – chambered profiles. We have machines which can do seem & seamless weldings too.

Gasket:

TPE seals are provided ensuring a dust and noise free environment.

Drainage Slots:

Which prevent collection of H₂O during rain or washing the tracks.

Hardware & Fittings:

All fittings are resistant to varied atmosphere conditions. They incorporate several security devices such as multi point locking, interlocks, that ensure high degree of safety and insulation.

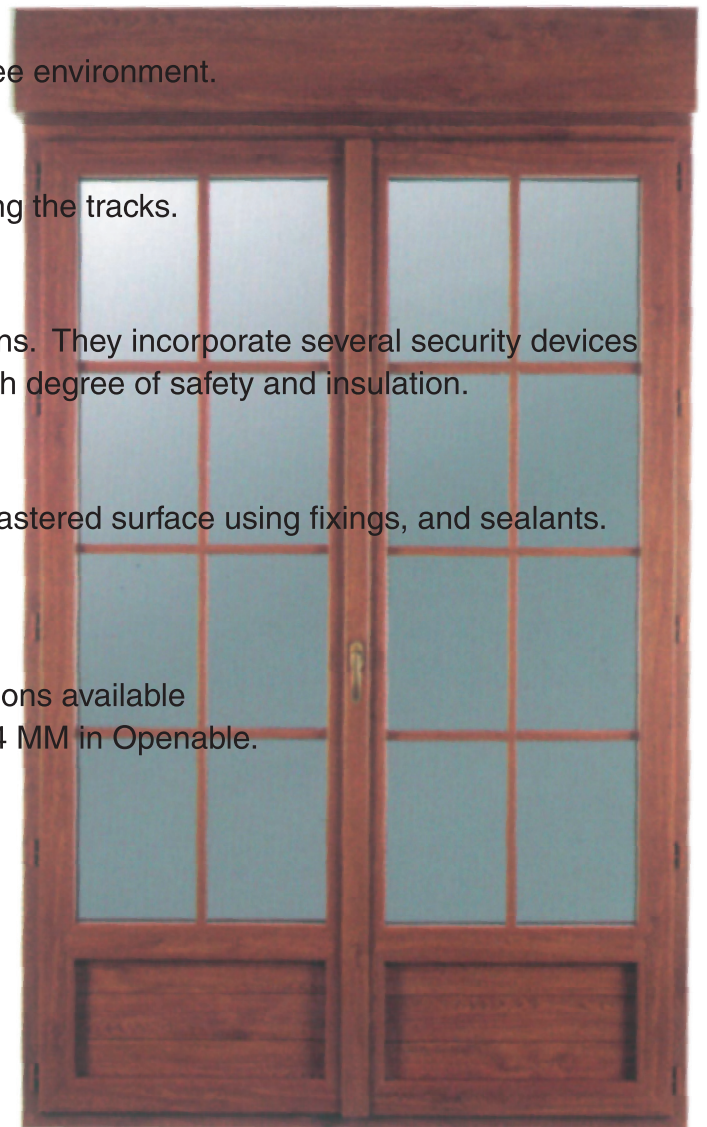
Installation:

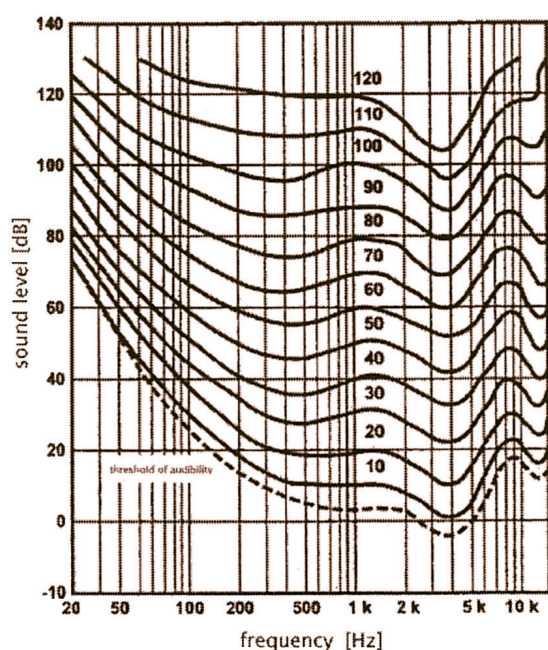
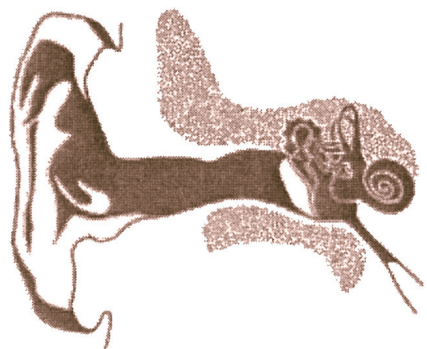
The frames are directly drilled into the brickwork or plastered surface using fixings, and sealants. No sub - frames required.

Glazing:

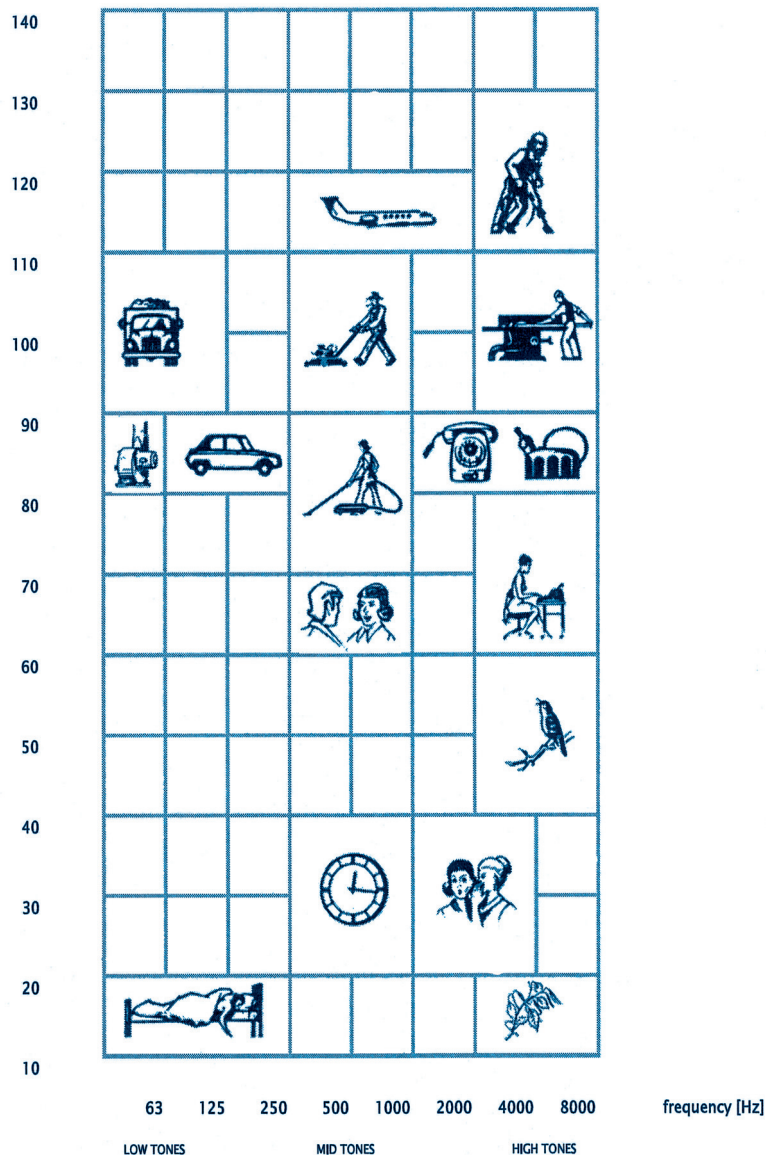
Single / double glazing, internal / external glazing options available

Single / Double glazing upto 28 MM in sliding up to 44 MM in Openable.





140



Characterization

Instead of listing the airborne sound insulation by frequency, technical documentation usually indicates a concise global performance. The European standard EN ISO 717-1 describes a method to express the airborne sound insulation by the single-number quantity.

DBS + ADVANTAGES

THINK

- ▣ Service with you, Always
- ▣ On time every time
- ▣ Economy & Efficiency
- ▣ Attention to Details

IMAGINE THE PROFITABILITY

- ▣ Complete Customised Solution
- ▣ Standardization & Optimization
- ▣ Multi functionality & Modularity
- ▣ State of the art fabrication unit
- ▣ Examining the smallest details
- ▣ Leaving nothing to chance

**THIS IS WHAT
DBS WILL DO FOR YOU**

**SURE TO LEAVE OTHER WINDOW SYSTEMS
FIRMLY IN THE PAST**

WHY MAKE THINGS SO COMPLICATED, IF WE CAN KEEP THEM SIMPLE?



ESPECIALLY WHEN SIMPLICITY PROVES TO BE SO EFFICIENT



Indian Green Building Council



DEEPA BUILDING SYSTEMS

No. 2, 7th "D" Main,
Bandappa Garden,
Muthyal Nagar, Gokul Post,
Bengalooru. 560 054
Karnataka. India

P: +91-80-23475964
F: +91-80-23475964
M: +91-9845012686 / 9901977971
E: vinoduthappa@dbsupvc.com
www.dbsupvc.com