



Your expert for PVC-U window



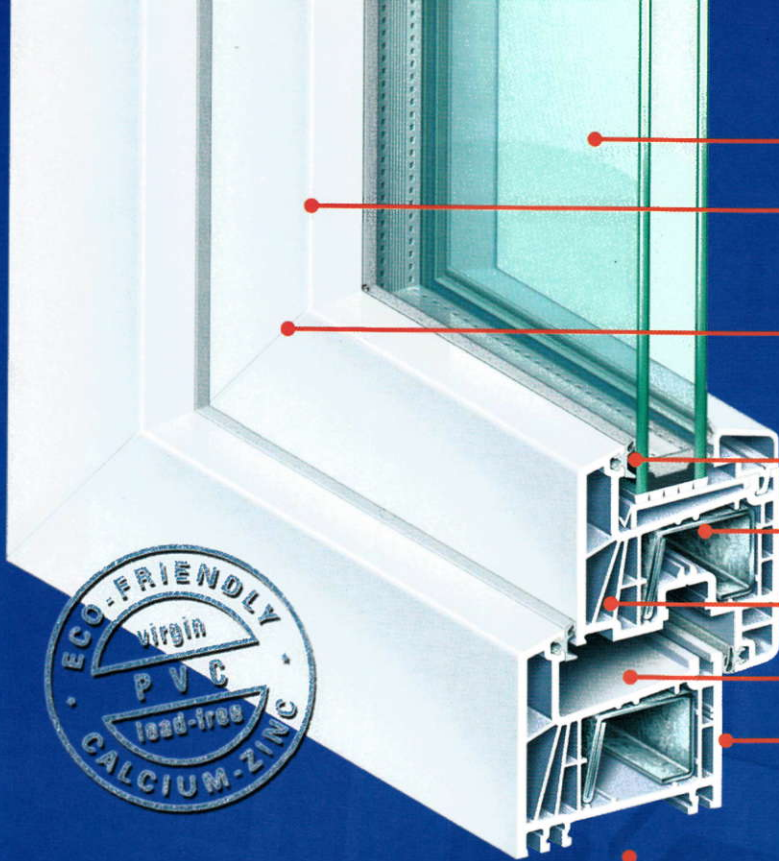
*The Highest European Standard
In Windows System*

® **EuroFutur**
70 mm profile series

greenline 
LEAD-FREE STABILISATOR



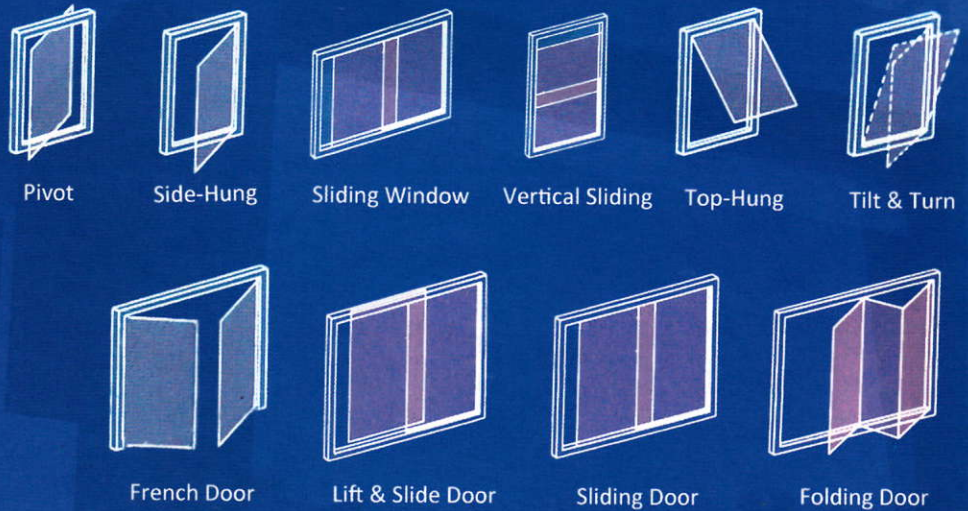
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- Provides various glass types with different thicknesses (from 6-46mm, to maximum 62mm with extension)
- A fully new, modern functional design of straight lines
- Joint on the corner of the profile is done by "Fusion Welding" process with optimum temperature and pressure without any additional material, so that the whole point of connection will be strong and can last up to a pressure of 2 tons
- Durable EPDM gasket, joint sealed with the profiles, due to co-extrusion process can resist any weather condition
- Integrated design protected steel reinforcements
- The new up to five chamber profile, with weather seal system produces superior thermal and noise insulation
- New, smooth and easy care innovative inner slopes
- Class A, high impact resistance outer layer with up to 3,2 mm thickness
- The 70mm depth installation makes FEGA PVC-U profiles stronger and more energy efficient than other available PVC-U window system profiles in the market

► **Greatest Variety of Beautiful Windows design**

PVC-U windows from FEGA are built according to a carefully designed profile concept. This concept allows for many different window designs, with the greatest variety. With FEGA, you can implement your very own personal style - windows of all shapes and designs : rectangular, polygonal, round or extra large units. When it comes to making your ideas reality, FEGA windows systems give you virtually unlimited freedom.



FEGA PVC-U window and door systems have been successfully used in swimming pools area, marine and ocean environments without deterioration of surface finish or performance. Resistance to driving rain and joint tightness are major assets of FEGA window and door systems.

We exclusively fabricate FEGA window systems with the highest European standards in accordance with DIN, BSI & ISO/EN standards, which are supervised and continuously improved by our German technicians.

Our window profiles are stabilised with environmentally-friendly calcium/zinc instead of lead. This not only improves environmental protection, it also improves quality through every life phase of the window – more resistant against weather, more durable gloss finish, more purity during recycling. Environmental protection that pays for itself.



® EuroFutur

70 mm profile series



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"the technology for windows with the best features"



Europe's No. 1 PVC-u Windows Profiles

The high performance compound used and developed exclusively is Komalit Z. The longevity and superior quality of this material has been conclusively proved for almost 40 years. This material compound performs to worldwide standards for strength, durability, heat stability, colour retention, and termite resistance. Komalit Z in fact significantly exceeds the stringest requirements of the highest classification of DIN standard 77498 for impact resistance. This fact provides an additional margin of safety to the quality of the product and enables the profiles to be fitted even in highrise buildings.



Behaviour in case of Fire

Fire tests have shown that FEPA PCV-u materials, being naturally flame retardant throughout their product life, will not cause, support or enhance the development of accidental fire. Unlike timber windows, the PVC-u sections do not support combustion and are in fact self-extinguishing. This quality prevents the promotion of fire spread. For this reason, FEPA PCV-u window systems offer considerable fire protection. The special profile compound possesses a fire retardant rating according to DIN 4102. It also fulfils class 1 fire resistance (ie. most resistant) as defined in BS (British Standards) 476: Part 7. Therefore, FEPA profiles are an effective means for preventative fire protection.



Maximum water tightness and Wind Resistance

FEPA PVC-U profiles fulfil the requirements of the American Standards AS 4420 and AS 2047.

The windows are watertight up to 450 PA (N6). Due to their excellent material properties, FEPA PVC-u windows and doors are ideal for installation in buildings located in coastal areas. These areas typically have permanent exposure to strong wind, heavy rain and salty air. The windows have passed several severe tests designed by official institutions. All window types are capable of withstanding the tests specified in AS 4420.2 and AS 4420.6 (rating N3 and N4). This makes FEPA windows suitable for highrise buildings.



Efficient Thermal Insulation

No matter in which climate FEPA PCV-u windows and doors are installed, they contribute to a cosy and comfortable atmosphere in your home. As the design of the profiles system prevents thermal bridging, the thermal insulating performance of the finished window is exceptionally good. The glazing is also of outmost importance for good thermal values, also contributing to a substantial energy saving. Window and door systems from FEPA eliminate the problem of water condensation on the window panes inside the house. In official tests, the FEPA PCV-u window profiles easily passed the tests for frame materials with highest thermal insulation according to EN ISO 10077.



Protection Against Noise

FEPA PVC-u windows come up to the European Standard for sound insulation DIN EN ISO 1401/1-3 (highest sound insulation). By fitting PVC-u windows combining FEPA high-grade 70mm series, multi chamber profiles and special insulating glass, you can reduce this noise by up to 45 dB, and thus only perceive 1/24 of the outdoor noise inside the house. Traffic noise is almost completely muted and calm is maintained.

Even around major airports, sleep will no longer be disrupted thanks to this noise reduction technology.



The Highest Security Windows System

You can achieve very effective protection against such unpleasant surprises thanks to Europe's No. 1 PVC-u window profiles. FEPA PVC-u sashes and frames are made of stable, high impact-resistant multi-chamber PVC-u profiles with integrated steel reinforcement. Highly effective security hardware combined with special glass provide the maximum achievable security for your windows. In addition, lockable handles are available and also a great choice for households with small children.

* DIN = Deutsches Institut für Normung (German Institute for Standardization)

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