



PVC PROFILES





PVC PROFILES

S-509 / Production Programme

INTRODUCTION

We have the honour to present to you our PVC profile, which has been made in accordance with world standards for the first time on our market, not only with regard to quality, but also with regard to environmental protection (EKOPROFIL). In accomplishing this project, we have contacted world renowned companies which have been developing PVC joinery and materials for the profile's construction. Greiner from Austria participated in the development of our system as the producer and manufacturer of tools, and the German company Baerlocher participated as the producer of materials used in the profile's production. During the system's construction we were governed by the idea that the buyer deserves the highest quality profile, with excellent thermal isolation qualities, state of art ecological characteristics, and easy assembly and maintenance, at a price adjusted to our circumstances.

EXTRUSION OF PVC PROFILES

In 2006, we started developing our own PVC profile system for making joinery. In the development of this project, besides the extraordinary mechanical and thermal isolation characteristics of the profiles, a great deal of attention was paid to ecological awareness, the selected technology being the latest available on the market and ecologically safe as well.

IN TIMES WHEN PEOPLE ARE BECOMING INCREASINGLY ECOLOGICALLY AWARE OF THE HARM DONE TO NATURE BY MAN THROUGH HIS ACTIONS, PEŠTAN PROFILES, STABILIZED BY A CALCIUM-ZINC STABILIZER, REPRESENTS THE IDEAL SOLUTION.

CHARACTERISTICS

- 5 chamber system, 70 mm construction depth
- Possible inner or central sealing system
- Changeable rubbers
- Condensation drain through a separate chamber
- Visible or hidden drains for condensation outflow
- Lowered edges on the frame and wing
- Application of standard studs
- 16 mm Eurogroove
- Spacious chamber for steel reinforcement
- Fixing of bearing reinforcements through two profile walls
- Fixing of studs through steel reinforcement
- Covering with 24 mm or 28 mm glass
- Easy construction and assembly
- Possible installation of fixed glass into the frame
- Mechanical fixing onto wall through steel reinforcements



We provide the producers of PVC joinery with maximum technical support and we are always available if technical problems need to be solved.



THE BEST SERBIAN EXTRUDED PVC PROFILE

This is confirmed by the internationally recognized certificate of the famous German institute "SKZ". PEŠTAN profiles belong to the highest quality A class of profiles and fulfil the requirements of the European Standard 12608, which means that they can be sold on all world markets. Because of this, the profile is already being exported to several European Union countries, as well as to all the republics of the former-Yugoslavia.

THE TESTING PROCESS

During the testing of Peštan profiles at the German "SKZ" Institute, the profile has undergone a large number of tests in order to examine its characteristics in detail. The most demanding test passed successfully by our profile was the artificial ageing test. During this test, the profile was alternately exposed to radiation from special XENON lamps, then sprinkled with water, dried for a brief period and then again exposed to light from the xenon lamps. This procedure lasts over six months and simulates 50 years of natural conditions. After the artificial ageing treatment, the profile was then exposed to testing of its mechanical characteristics, i.e. its strike resistance and colour resistance. Due to the ecological Calcium- Zinc stabilizer which we use, our profile was significantly within the values required by the European Standard 12608 after the artificial ageing process which simulates 50 years of aging.



TECHNOLOGY

PVC (polyvinylchloride) is a versatile polymer which can be solid or flexible depending on its processing. However, its processing requires the use of stabilizers which make it resistant to the high temperatures and mechanical stress to which it is exposed in the extrusion or spurling process. These additives prevent changes in the chemical structure of PVC, which would otherwise prevent any processing. During the past few decades, lead stabilizers were used in the majority of products made from solid PVC worldwide, except in the North America, where the dominant stabilizers are those based on tin. Both systems have a similar relation to price-quality. However, they are mutually incompatible and cannot be recycled together; therefore they are used in different markets. Since lead stabilizers, which dominated the European market so far, have been pronounced unwelcome on European soil, because lead is poisonous if introduced into the body, another solution had to be found. It was obtained through Calcium-Zinc stabilizers.

STABILIZATION COMPONENTS

The extruded PVC profiles obtained through the fulfilment of all these conditions are a product with excellent physical characteristics, which fulfil the most demanding economic and ecological requirements. Because of this, the Peštan company entrusted the famous German producer Baerlocher with the production and constant monitoring of the ingredients, due to its long years of experience producing top components for PVC stabilization. Stability under all weather conditions is extremely important for PVC stabilization. Tests point out that Calcium-Zinc profiles are more resistant to changes in colour than the classic lead system. This is particularly important for coloured profiles, since it enables higher colour durability over a longer period. Bearing all of these facts in mind, the Peštan company developed its system of PVC joinery which completely fulfils the latest European standards and modern criteria, and offered it to customers who wish to obtain real value and a product at a favourable price.

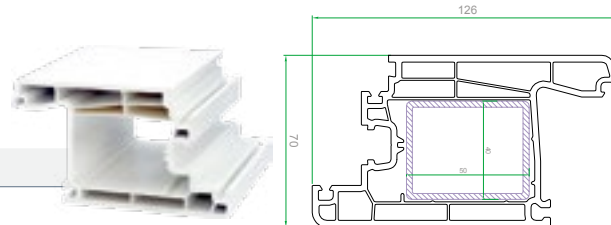
PVC PROFILES

S-509

		FRAME S-509.01	CODE 12000000
		WING S-509.02	CODE 12000100
		CENTRAL PILLAR S-509.03	CODE 12000200
		FOLDING LATH S-509.04	CODE 12000300
		GLASS LATH 28MM S-509.06	CODE 12000500
		GLASS LATH 24MM S-509.07	CODE 12000600

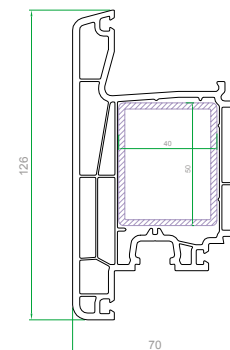
S-509.08 Z WING OF ENTRANCE DOOR

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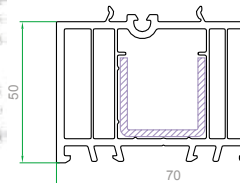
S-509.09 T WING OF ENTRANCE DOOR

CODE 12000800



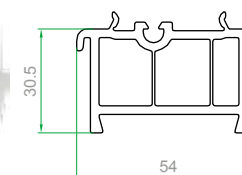
S-509.11 CONTINUED DOORWAY

CODE 12001000



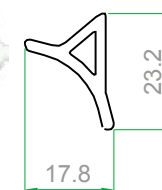
S-509.10 SOLBANK

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S-509.05 CLIPS

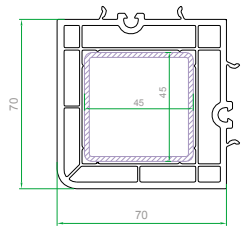
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S-509.12 CONNECTING LATH

CODE 12001100

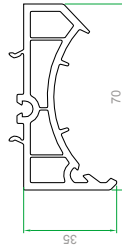




CORNER PROFILE S-509.13

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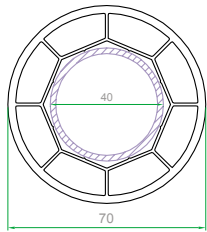
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SEMI-CIRCULAR CLAMP S-509.14

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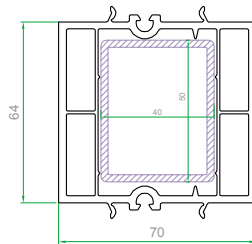
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PIPE S-509.15

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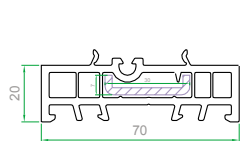
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REINFORCEMENT PROFILE S-509.016

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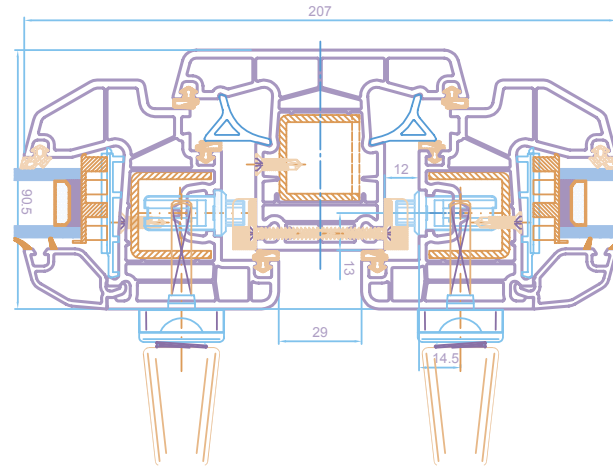
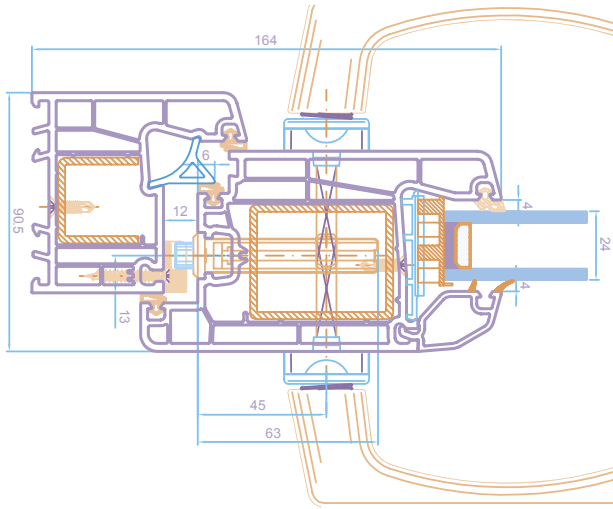
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DOORWAY EXTENSION 20MM S-509.30

CODE

12002900



WORLD TRENDS

It is a trend today to use stabilizers based on Calcium (Ca) and Zinc (Zn) as well as some organic components. Such a programme is significant progress in the fulfilment of the new economic objectives and environmental protection by the European PVC sector. Stabilizers based on Calcium-Zinc give some production advantages in relation to lead and tin stabilizers. They combine easy handling with good product characteristics and give excellent durability during exposure to weather conditions. On the other hand, they are specific and often require special adjustments depending on the individual application. The manufacture of tools is also specific, with the tools requiring specific additional processing on the producer's location to give maximum quality with the ingredients used by the producer.

