

Flamingo

STEEL GUTTER SYSTEM

WINNER
of **GOLD MEDAL**
BUDMA 2010



STEEL GUTTER SYSTEM
NEW PRODUCT
FLAMINGO MAGNELIS®



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NEW PRODUCT

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Gutters thirsty for rain

Flamingo® steel gutter system is not only another product on the market in this category. **This is a complete, integrated system** which is supposed to provide safety, peace and comfort on rainy days. The nature was an inspiration for us. It is not without significance that the name for the system has been taken from the name of a bird species – flamingos. These birds stay through their entire long lives in the aquatic environment, because water for

them is the living space. Like flamingos, our gutters could not exist without water. It is here where they feel the most comfortably and this environment they are able to control best. The flamingos joining together in colonies numbering millions show the tremendous adaptive abilities in these conditions. The same features are also characteristic for the gutter system **Flamingo**®.

In harmony with nature



All the designed elements of the system are innovative and multifunctional, fully integrated with each other, they form a uniform, well thought-out whole. Thanks to that the **Flamingo**® system stands out in terms of the ease of installation and use of a smaller number of elements. The solutions applied by us have been designed specifically for you and your comfort. We put a lot of effort in this work.

For several years we have been closely observing, analysing, studying and comparing the experiences of various environments: in this respect, we have cooperated with roofers, contractors, and many scientific-research units, to offer you the best, most advanced and safest gutter system.

Generally about advantages of the system



We decided to protect legally our new technical solutions and industrial designs. Thanks to the applied innovations, we guarantee you the best and the most beneficial solutions. We want to be sure that our system will maintain its uniqueness, and you will always have the guarantee of selecting innovative solutions. All taken actions have given us a lot of satisfaction because we tried to fulfill the expectations of our clients.

The best recommendation for Steel Gutter System *Flamingo*[®] is Gold Medal received on International Fairs in Poznań BUDMA 2010.

WINNER
of GOLD MEDAL
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Raw materials



The **Flamingo**[®] gutter system is made from the special **PRELAQ**[®] **RWS (Rain Water system)** material supplied by the Swedish metallurgic concern SSAB. BUDMAT[®] has cooperated with the SSAB steelworks for a dozen of years. Experiences to date, conducted research and tests guarantee production from the best raw materials. The SSAB steelworks as the only one in the world produces all grades of metal sheets necessary for the execution of complete gutter accessories.

Steel for the production of the **Flamingo**[®] gutter system is covered with **homogeneous varnish coatings**, thanks to which all the elements of the system are characterized by **uniform, durable colour and highest quality**. All available colours in which Steel Gutter System **Flamingo**[®] is produced are compatible with offered by BUDMAT roofs and facades.

Swedish quality of steel





Gutters in the colours of nature

In the permanent offer the **Flamingo**[®] gutter system is made in all basic colours compatible with colour scheme of roofs and façades offered by BUDMAT. Thanks to that the BUDMAT[®] offer is definitely wider and more

beneficial for each client for whom we can propose complex implementation of the service: from making the steel roofing together with a set of workings and accessories, to matching the steel gutter system.

**Chocolate
brown**
Prelaq 387
RAL 8017

Brown
Prelaq 434
RAL 8028

Graphite
Prelaq 087
RAL 7011

Brick-red
Prelaq 742
RAL 8004

Cherry
Prelaq 758
RAL 3009

Black
Prelaq 015
RAL 9005

Coppery
Prelaq 778
RAL 8003

Silver metallic
Prelaq 045
RAL 9006

White
Prelaq 001
RAL 9002

Dark green
Prelaq 830
RAL 6020

**30 years
of
guarantee***

Flamingo® steel gutter system is one of the most advanced on the product market in this category. **Made of the best Swedish PRELAQ® RWS (Rain Water system) metal sheets, specially produced for this kind of applications,** the system is also distinguished by:

- ease of installation, thanks to the universal elements that, supplementing each other, can serve several functions simultaneously
- **highest quality of making, by applying fully automated Swedish and Swiss production lines,**
- innovation - thanks to the specially designed structural solutions,
- **the application in the production of all system elements the best raw material (PRELAQ® RWS steel sheet),**
- available in two sizes: smaller, for residential facilities (125/87) and greater, for industry facilities, large buildings (150/100),
- **specially prepared and implemented logistic solutions (all guttering elements factory protected with foil, custom designed packaging, exceptional care for top standard warehousing and transport),**
- extensiveness and the possibility of fitting
- the whole **Flamingo**® guttering system is compatible with steel roof and facade coverings offered by BUDMAT®,
- **30-years guarantee of steel gutter system Flamingo® in environment category C1-C4 (industrial and coastal areas of aggressive environment corrosion).**

PRELAQ®
COLORFUL BUILDING

Main elements of the system





Steel gutter system **Flamingo**[®] has been created for **comfortable guttering solutions**. The highest quality of raw materials used for production (**PRELAQ**[®] RWS steel sheet – Rain Water System, the Swedish steelworks concern SSAB), the most modern in Europe and fully automated machinery stock, innovative and universal structural solutions of particular elements - all this has allowed us to create the best steel gutter system on the market. Specially designed structural solutions of different system elements allow for their **universal use**.

Thanks to that it is possible to use our hooks as brackets for all horizontal guttering elements (gutter, corner, connector), while corners, thanks to their structure, give such stiff connection with the gutter embedded in them that these **do not need any additional support**. At the same time the system is distinguished by the **ease of installation and particular aesthetic value**. It is **consistent in terms of the colour scheme, effective in taking water away from the roof slope and particularly durable**.



Gutter bottom



Element protecting against water pouring out from the gutter. The application of **the innovative and specially designed connector** guarantees permanent connection of the gutter bottoms with the gutter, serving its functions in any atmospheric conditions. The element shows **great ease during the installation**, ensuring at the same time maximum protection from being torn apart by water. Gutter bottom in the **Flamingo**® system is **the only such solution available on the market**.

Gutter bottom in system **Flamingo**® is patented solution protected by Polish Patent Office.

Element of roof drainage system whose function is direct removal of water from the roof slope. Gutters in the *Flamingo*® system are available in two sizes: 125 and 150 mm, they are fixed in a manner ensuring use of their full capacity. The method of gutter fixing and the flow capacity of downpipes is of importance in removing water from the roof slope. The best proof of this are the solutions of shallower gutter systems used in Scandinavia, where rainfall is heavier in comparison to other countries in Europe.

External corner 90°



Especially designed elements connecting gutters in internal and external building corners. In the *Flamingo*[®] system the gutter is embedded deeply in the corners, what eliminates the need of applying a gutter connector. Such a solution gives a stiff and permanent connection and lowers, at the same time, the investment costs because **there is no need for installing additional elements (including hooks).**

Internal corner 90°



The corners designed in this manner are **universal and innovative** with respect to its possibilities. Made **from the same raw material** as the other parts of the gutter system, they are **fully uniform** in terms of the colour scheme and quality.

Frontal hook



Rafter joined hook

Available lengths:

- 70 mm
- 160 mm
- 210 mm



Structural element, above all, serving the function of the gutter bracket. In the **Flamingo**[®] system it is a particularly **universal solution**, being mounted both as frontal hook (installed to the front board) and rafter element (installed with the flat bar directly to the rafter).

The hooks, serving the functions of the gutter carrier, **may be used also as a support** for every horizontal element of the system (gutter, corner, connector), meeting at the same time the highest, **over-standard carrying capacity class requirements**. Made from the Swedish PRELAQ[®] RWS steel (Rain Water System), they stand out with the best quality and **colour scheme consistent with the whole system**.

NEW PRODUCT

Rafter hook, reinforced rafter hook with clip



Rafter hook provides stable gutter fixing to rafter or batten. Thanks to unique construction it may endure loads bigger than similar elements offered by other manufacturers. Special construction and innovative shape of the hook mean easy and fast assembly of gutter system. The hook is made from the highest quality steel covered with zinc coating of

275g/m². Moreover, BUDMAT® as the only manufacturer on the market offers additionally as a standard special clip which reinforces the hook. This easy in assembly element stiffens the hook and guarantees its durability when steel gutter system is loaded (snow, ice).

Elbow 60°



The L-shaped element of the system at an angle of 60° thanks to which it is possible to fit particular parts of the gutter system to different shapes of roof slopes and eaves. It is compatible with the colour scheme of other system elements and made from best quality Swedish steel sheet.



It is one of the main elements of the gutter system, removing water from the roofing (the outlet connects the gutter with the downpipe). The element has the characteristic look and shape that, especially designed, stands out with the particular care for aesthetic value of the design. **The mild line and edge of the element help to avoid scratches and mechanical damages.**

Downpipe



The vertical element of the system draining water from the gutter. The *Flamingo*[®] gutter system offers downpipes which are connected by means of **tube coupling** or **factory assembly clamp**. Thanks to that, we guarantee more possibilities and better comfort of work during the installation. **The Contractor chooses himself** the best solutions required for the specific application.



L-shaped element draining water from downpipe. The spinned end ensures stiffening of the edge removing water beyond the system. **The best Swedish steel** sheet used for the production of *Flamingo*® guttering guarantees the **colour-scheme consistency** of the entire system.



Downpipe clamp, bolts with plastic dowel



In **Flamingo**® gutter system downpipe clamp is available with connector made from plastic. Clamp may be fixed to elevation with special fixing element and is mounted to wooden or sandwich panel façade, thus the whole vertical part of gutter system is additionally stiffened. Additional element that fixes clamp is available in all colours offered in **Flamingo**® system.

Downpipe connector



The element of the system used for joining the downpipes. The downpipes can be connected in the **Flamingo**® system by means of the **factory assembly clamp** or **especially designed tube coupling**.



Gutter connector



Gutter connector with clamp



Universal element of **Flamingo**[®] gutter system mounted with EPDM gasket and/or special sealant that guarantees stable connection of gutters, corners, etc.

Gutter system element used to connect system elements. Thanks to use of clamp and special construction of connector it is possible to join gutters already mounted on hooks even when roofer workings are done. Proper connector width (one of the biggest available on market) and use of steel sheet 20% thicker than gutter guarantee high stiffness. This kind of joint is additionally sealed with gasket and/or sealant.

Element made from special steel sheet RWS – Rain Water System – Swedish metallurgical plant SSAB.



Tee



Rainwater catcher

The element designed to remove water from small roof slopes or spire lights for which it would be uneconomical or impossible to direct the water from to a separate plumb line of downpipes.

The element of gutter system used to drain rainwater and collect it in the tank designed for this purpose. That water may be used, eg. for garden watering. Rainwater catcher in **Flamingo**® system plays also role of cleaner-strainer which stops leaves and other residues carried by water. This is of particular importance when downpipe is routed directly into sewage system.

Flamingo Magnelis®

NEW PRODUCT



Flamingo Magnelis® is optimally and for a long time protected against corrosion. Application of zinc bath with admixture of aluminium and magnesium during technological process guarantees great protection properties. The admixture of magnesium decides about properties of

Magnelis and creates hard and stable protection layer on the whole surface of the gutter. **Flamingo** Magnelis® is distinguished by 10 times higher durability and resistance to corrosion than gutter systems produced from galvanized steel.

NEW PRODUCT

Flamingo Magnelis®



Magnelis® coating ensures long lasting and active protection of steel sheet. Moreover, level of coating wearing is 3 times less comparing to galvanized steel, thus loss of protecting coating during processing and usage is minimal.

In production brand new technologies and the best materials are used thus for steel gutter system **Flamingo Magnelis®** we provide 10 years of guarantee*.

*detailed guarantee conditions are available at manufacturer



Flamingo Magnelis®

10 years
of
guarantee

Magnelis®

Features of **Flamingo** Magnelis®:

- great corrosion resistance – up to 10 times higher than galvanized steel
- recommended to be applied in environment of higher corrosion category
- natural dark grey colour of the system (effect of patination) perfectly suits buildings of traditional and modern architecture
- available in three dimensions: 125/87, 125/100 and 150/100
- new rafter hook with additional strengthening clamp
- 10 years of guarantee for corrosion perforation*

*detailed guarantee conditions are available at manufacturer

NEW PRODUCT

Rafter hook, rafter hook reinforced with clip



Steel Gutter System **Flamingo** Magnelis® consists of all the elements of **Flamingo**® system and additionally – new rafter hook. It provides strong gutter fixing to rafters or battens. Thanks to unique construction it may endure much higher loading comparing to similar elements

offered by other manufacturers. Special construction and innovative shape of hook allow easy and fast assembly of **Flamingo** Magnelis®. It is made from the highest quality steel covered with zinc coating of weight 275g/m². Moreover, BUDMAT® as the only manufacturer on market, provides as standard special clip reinforcing hook.

Machinery stock



To complement the exceptional care of BUDMAT® for the quality of the gutter system, we have created and started up a **state-of-art machinery stock, most advanced in Europe**. Production, with the use of **top level Swedish and Swiss machines** and innovative solutions, gives the guarantee of the best product. **Automated production lines are computer-managed and controlled**. The production technology based on such modern machines allows the entire operation to be executed in **one continuous process** thanks to **eliminating segmentation of the manufacturing stages**.

The modern lines of BUDMAT® machinery stock are **remotely controlled by a computer**. Thanks to **minimizing the share of the human factor** we may produce more in a **definitely shorter time**, and the **finished product is characterized by simply excellent accuracy**. It gives us confidence that we offer to the customer extraordinary product that we are proud of – completely modernized, upgraded and with unique design quality.



Transport and storage



The **Flamingo**® steel gutter system is produced with the use of the best technologies on the most modern machinery in Europe. The care for product quality is strictly related to the process of **packing and warehousing**. BUDMAT® makes every effort to ensure that products have been duly protected and stored in compliance with the highest standards. For this purpose different system accessories are **tightly and automatically foil-wrapped and packed in custom-designed packages**. Elements of the system such as gutters, or downpipes are also **factory foil-wrapped** to protect them during storage and transportation.





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