

**SUPERBET® fencing, type ŁUPANE (split), ELEGANT and GALA should be erected according to the construction law. The investor and contractor shall bear the responsibility for all the works and possess appropriate qualifications and authorizations in order to perform the construction according to construction best practices. Before beginning the work, it is necessary to read the specification of the mounted fencing system, General Sales Conditions as well as Guarantee Conditions available at [www.superbet.com.pl](http://www.superbet.com.pl), at Manufacturer's or Seller's seat.**

## **I. SUPERBET ŁUPANE (split) FENCING >PREPARATORY WORKS**

- Works should be carried out at temperatures >5°C due to concrete curing conditions.
- Construction of the fencing should begin with careful planning of foundation excavations, with particular attention paid to arranging excavations for fencing posts.
- The span between the posts should be the multiplied size of an underpinning brick (38 cm), but it can also be different according to investor's individual preferences.
- The depth of foundation excavation for the posts and fence underpinning shall depend on the height of the designed fencing as well as freezing depth for the climate zone of the location where the works are carried out.
- The manufacturer recommends to perform the foundation from flexible concrete, class C16/20.
- It is necessary to apply horizontal foundation reinforcement as well as vertical reinforcement under the form of 4 ribbed bars  $\phi=10\text{mm}$  placed in post corners.
  - Horizontal insulation is performed on the foundation, aimed at protecting the fencing against rising damp. It is recommended to perform vertical dilatation every 8-10 m between the underpinning brickwork and the post for fencing protection against horizontal cracks.

## **>INSTALLATION – SPLIT FENCING**

- Arrange prefabricated elements on the prepared substrate by connecting them with frost-resistant adhesive, mounting adhesive or applying special sealing mortars (not causing efflorescence).
- It is necessary to pay attention to the way in which the posts were performed as, similarly to the entire split fencing, their surface is uneven and resembles hewn stone. The structure of such fencing makes it necessary for the contractor to perform brick selection. Bricks with the least corrugated surface should be selected, and then used for the construction of gate posts.
- Shade differences within one colour are accepted and caused by the fact that the bricks are manufactured in various weather conditions and the aggregate, a component of natural origin, is a diversified material. Shade differences or lime efflorescence do not constitute product defects and do not constitute the basis for filing a complaint.
- Due to the characteristics of the fencing from split components, bulges may cause dimension variations. Such variation does not constitute the basis for filing a complaint.
- The fencing should be installed layer by layer. After arranging one brick layer it needs to be filled with flexible concrete class C16/20. The concrete should fill up the entire fencing and be thickened. While filling the system with concrete it is necessary to pay particular attention to potential diffusion of cement slurry (wash) due to inaccurate grouting of fencing components. When a given layer sets, arrange the next one until the intended fencing height is reached. The finishing is formed by gable canopies.

## **>FINISHING WORKS - SPLIT FENCING**

- Impregnation of canopies is recommended by the manufacturer in order to unify their colour and reduce water absorption during precipitation.
- It is necessary to impregnate the surface of products in order to avoid: mechanical corrosion (temperatures below zero degrees), biological corrosion (moss, lichen) as well as lime efflorescence.
- The impregnation should be performed on clean and dry component surface, preferably on a sunny day, not earlier than a month after completing fencing installation

- Following the procedure described above shall make it possible to avoid installation mistakes, thus eliminating defects during the use.

## **II. ELEGANT AND GALA SUPERBET® FENCING**

### **> PREPARATORY WORKS**

- Works should be carried out at temperatures >5°C due to concrete curing conditions.
  - Construction of the fencing should begin with careful planning of foundation excavations, with particular attention paid to arranging post excavations. The span between the posts should be the multiplied size of bricks or it may depend on the investor's or designer's special preferences.
- The depth of foundation excavation for the posts and fence underpinning shall depend on the height of the designed fencing, taking into consideration post arrangement, as well as on freezing depth for the climate zone of the location where the works are carried out. Groundwater causes foundation damage, and thus the damage to the entire fencing.
- While constructing the foundation the Manufacturer recommends to perform vertical dilatation ca. every 10 meters, paying particular attention to the connections of underpinning brickwork and the post. A cut should be made in the blocks placed over the gaps, constituting their extension. It is aimed at increasing fencing flexibility and preventing component cracks in the event of foundation movements. The gaps should be filled with non-absorbent and permanently flexible sealing material.
  - It is necessary to apply horizontal foundation reinforcement. In the corners, in the location of the designed post, vertical reinforcement should be laid. It is necessary to follow designer's, constructor's etc. recommendations and guidelines.
- If the ground crumbles, boarding should be performed before concrete pouring. The concrete for strip foundations should comply with the standard PN-EN 206:2014 (XC2 exposition class). If a given order is tailor-made, individual requirements specified in the design should be followed.
- When the foundation is ready, horizontal insulation should be performed, aimed at protecting the fencing against rising damp. Horizontal insulation shall also prevent frost cracks and limit the occurrence of lime efflorescence.

### **> INSTALLATION – ELEGANT AND GALA FENCING**

- Before the actual installation it is necessary to arrange subsequent bricks by matching subsequent elements together in order for them to fit tightly without vertical or horizontal deviations. Potential differences should be eliminated by grinding or applying wedges.
- SUPERBET® ELEGANT and GALA fencing components are available in uniform colours or FEERIA COLOR colour scheme obtained by dispensing several dyes and thus unevenly distributing subsequent colours.
- During assembly it is necessary to pay attention to the abovementioned colour distribution in bricks by mixing them and creating evenly varied colour surface.
- SUPERBET® ELEGANT system is available in two variants: PREMIUM and CLASSIC, which enables multiple fencing installation options. GALA fencing system is available in one variant. Before purchasing the products, it is necessary to get familiar with their entire range in order to select appropriate product type matching the specific assembly concept.
- The blocks should be connected with the use of mounting adhesive preventing the dislocation of bricks while filling them with concrete and the seams will thus be sealed. Bricks installed in this way should not be moved for ca. 4-5 hours in order to prevent concrete seeping between block gaps, and thus soiling the surface of the fencing.

The blocks should be filled layer by layer – 1-2 layers at a time. While preparing the concrete for pouring it is necessary to pay attention to mixture content and its consistency. Exposition class of such concrete should, according to the standard, be not lower than XF1. Before concrete pouring it is necessary to moisten the bricks (preferably spray gently with water) so that they do not absorb the water from concrete mix. This activity should be performed in a sensible manner in order to prevent excess water from penetrating the bricks. It is necessary to make sure that concrete mix is spread evenly inside the bricks. Thickening of concrete should be performed in a sensible manner in order to prevent concrete mix segregation. It is necessary to care for the concrete appropriately. It should be performed until the fencing is finally covered with finishing canopies.

- It is necessary to carry out the works at appropriate temperature of the environment, i.e., >5°C max 25°C, and treat the concrete appropriately. Dirt occurring on brick surface should be removed on an ongoing basis.
- Before installation the canopies should be grinded in order to precisely adjust them to the brick. The canopies should be installed with the use of frost-resistant adhesive. Seal the gaps between canopies as well as canopies and bricks with silicone paste in order to protect moisture penetration.
- Any dirt should be removed from block surface with the use of detergents according to the instruction manual and data sheet of a given substance.

#### **>FINISHING WORKS – ELEGANT / GALA FENCING**

- The impregnation should be performed after cleaning the components and in appropriate weather conditions as well as minimum 30 days after the installation. This time is necessary to obtain full resistance of the fencing.
- Attention! Non-compliance with guidelines included in the instruction manual may result in damage to the product by reducing its both functional as well as aesthetic properties.
- While mounting fixing elements of gates and spans it is necessary to drill the apertures in a way for them to be anchored in the concrete core. Apertures of fixing elements for gates and spans should be tightly filled with adhesive. Spans and gates should be mounted according to the manufacturer's installation instructions.

#### **> GUARANTEE**

SUPERBET® ELEGANT and GALA system components are covered by a 3-year guarantee period. Details concerning the guarantee and statutory warranty are presented in Guarantee Conditions and General Sales Conditions.