



## PRODUCT DATA SHEET

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### 1. Manufacturer of the product:

Bella Plast Sp. z o.o. s.k.  
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tel. +48 22 783 64 64

Production plant  
Ul. Szczęśliwa 51  
-05-074 Długa Kościelna, POLAND

### 2. Product name:

**BP19 PVC – Standing seam aesthetic façade strip**

3. CN 3925908009 product classification

### 4. Specifications

The BP19 PVC standing seam aesthetic strip with mesh is made of hard polyvinyl chloride with addition of stabilisers increasing their mechanical resistance and UVA UVB stabilisers. Strips are manufactured in technical white and are designed to be painted for the best visual effect. Painting the strips is not obligatory and does not exclude the manufacturer's guarantee.

The manufacturer allows the lack of the repeatability of the colour of each successive production batch in terms of the technical white to be painted.

On special request, the manufacturer produces BP19 strips coloured in any colour from the RAL K7 CLASSIC colour palette and ensures colour repeatability in each production batch, not excluding in this case - white with a specific colour selected from the RAL K7 CLASSIC palette.

BP19 strips have permanently mounted fibreglass mesh strips with a width of 100mm and a weight of 145.

### 5. Purpose and scope of use, installation

The BP19 PVC standing seam aesthetic strip with mesh is intended for use in residential and public buildings to the extent resulting from their technical properties.

The strip is used only to make longitudinal grooves in the shape of standing seams on the surface of the thermal insulation façade, commonly referred to as a jointless system of thermal insulation of external wall buildings - "BSO" or also referred to as a "light-wet" method with the use of thermal cladding: foamed polystyrene, mineral wool and thin-coat plaster or also known as: External Thermal Insulation Composite Systems or ETICS.

The BP19 strip has been designed as an alternative to the flat sheet joined with the so-called "seam" and obtaining the effect of the so-called "standing seam" on the surface of the thermal insulation façade. The use of the BP19 strip is an economical and easy to install way to achieve a "standing seam" effect.

The assembly of the strip should be carried out in the external surface of the façade.

The perforated outer edges of the strip (flat bars with oval openings) should be completely covered by the façade's reinforced fibreglass mesh and tightly glued together with the longitudinal strips of glass mesh that are part of the BP19 product

The connection of the façade reinforcement fibreglass mesh with the BP19 strip should be made with an adhesive intended for gluing the fibreglass mesh to thermal cladding: foamed polystyrene, mineral wool in a "light-wet" method, BSO, External Thermal Insulation Composite Systems or ETICS. Gluing the BP19 strip to the thermal cladding and covering the perforated edges (flat bars with oval openings) of the BP19 strip together with the longitudinal stripes of the fibreglass mesh - reinforcing mesh - should preferably take place in one gluing operation.

The grey glue to submerge the fibreglass mesh must be placed under the BP19 strip and under the perforated longitudinal flat bars with oval openings.

The façade system fibreglass mesh must be located under the installed BP19 strip and ensure continuity of the façade fibreglass mesh layer over the entire surface of the façade, also in the place of installation of the BP19 strips.

Joining the strips: butt joint without the use of glue.

The use of polyurethane (PU) assembly foam is not permitted at any stage of the installation of the BP19 strips. Do not fill the interior of the BP19 strip with PU foam.

#### **Treatment and painting of the BP19 strips:**

Trimming of the BP19 strips can be done with a fine-toothed hand saw or an angle grinder.

Due to the presence of fibreglass mesh of the BP19 strips, protective gloves and protective goggles must absolutely be worn.

The BP19 strips should be painted with silicone, acrylic or silicate façade paints (for external use: external façade paint), previously cleaning the covered surface from dirt, dust, oil, water and other contaminants that may affect the paint's adhesion.

Painting with the above-mentioned paints does not require the use of primer.

It is recommended that the applied façade paint from the above-mentioned groups should be of the same type as the applied plaster, i.e. e.g. in the case of silicone plaster, the paint used should also be silicone and preferably from the same manufacturer as the plaster, prepared from the same colour palette with the same mixer as the applied plaster.

If the above recommendation is followed, it will ensure similar ageing of the paint used to coat the BP19 strip and the plaster.

In order to obtain the best aesthetic effect, it is recommended to paint the BP19 strips with the above mentioned paints in the RAL colour of the plaster used.

Paints containing acetone and/or organic solvents reacting with polyvinyl chloride must be excluded.

Note: BP19 strips are ready to use, they do not require any additional treatment other than trimming to size.

Painting the strips with the above-mentioned paints is not obligatory, it is only a beneficial option for the user to improve the visual effect of the product. The BP19 strips are protected against UVA UVB radiation.

In addition, the guidelines of plaster manufacturers and manufacturers of thermal cladding - in particular manufacturers of extruded polystyrene and other elements of the system - especially with regard to thermal

resistance - must be observed, as well as the ITB instruction No. 447/2009 (IBT - Building Research Institute in Warsaw) must be followed.

Moreover, during the installation of the BP19 , it is necessary to apply the best construction practices, not to carry out works in negative temperatures, during rainfall, strong wind - follow the rules of performing thermal insulation of external walls of buildings with the use of extruded polystyrene and mineral wool.

## **6. Product range**

The BP19 PVC standing seam aesthetic strip with mesh are manufactured in dimensions:

BP19 L=3000mm

On special request, the manufacturer can produce the BP19 strip in sections from 500mm to 6000mm.

## **7. Packaging, storage, transportation**

BP19 strips are packed in cardboard boxes protecting the beads against damage in transportation.

Number of pieces in one cardboard box: 10.

Storage: maximum number of layers: 15.

Number of pieces on an 80cm wide pallet: 340.

Storage: dry, cool place with an even surface, away from sources of heat, such as heating stoves.

Storage position: horizontal.

The maximum temperature for transport, storage: +52 degrees C

## **8. Chemical products resistance**

The product does not react chemically with any solid construction material that can be found on the construction site. The product is resistant to ageing. The product is not biodegradable in a humid environment.

The product is not resistant to organic solvents such as acetone, benzene.

## **9. Additional information**

The product conforms with the following documents:

NATIONAL TECHNICAL ASSESSMENT ITB-KOT-2017/0249 Z DNIA 12.12.2017 (published by the Building Research Institute [Instytut Techniki Budowlanej] in Warsaw)

Hygienic Approval No. HK/W/0823/01/2018 - National Institute of Hygiene in Warsaw

## **10. WARRANTY.**

The manufacturer grants a guarantee for the product as per the Polish Building Law Act as well as European Union legislation for the construction industry - except for the situations described in point 5 and except mechanical and chemical damage as well as improper storage and/or installation, performed contrary to this Technical Data Sheet.

**11. Drawing: BP19 strip**

“siatka szklana” – glass-mesh

