



## PRODUCT DATA SHEET

Revision date: February 2019

1. Product manufacturer:

Bella Plast Sp. z o.o.s.k.  
Długa street No. 86,  
05-075 Warszawa – Wesola, Poland

2. Product name: **PVC reveal beads with fibreglass mesh for thermal insulation façade in External Thermal Insulation Composite Systems for external walls: BP13, BP13 MIDI, BP13 MINI BU, BP13 MINI U**

3. PCGS product classification: 22.23.19.0

4. Technical specifications

BP13 series PVC reveal beads with fibreglass mesh are made of hard and soft polyvinyl chloride with the addition of plasticisers which increase their mechanical resistance as well as UV stabilizers.

5. Intended use and application range of the product.

**Application:** expansion joints between window or door frames and structural plaster (thin layer plasters) in External Thermal Insulation Composite Systems (ETICS).

**Assembly procedure:** BP13 series reveal beads are used for proper execution of expansion joints between window frames and the plaster. This profile features a reinforced fibreglass mesh, special non-absorbent expansion joint foam, a seal that protects the foam against dirt and damage (only BP13, BP13MIDI, BP13 MINI U) and a lost element. Reveal beads are produced in several dimensions of the external width and width of the plaster groove - depending on the thickness of the plaster layer applied.

BP13 series reveal beads are used for windows made of polyvinyl chloride, wood and aluminium.

Start installation of the profile with cleaning, drying and degreasing the window frame. Then select the place where the BP13 series reveal bead is to be glued on the window frame. The next step is to trim section of appropriate length. Before gluing the reveal bead, remove the yellow or white protective film from the white expansion joint foam and immediately glue the reveal bead to the window frame. The recommended method of gluing the reveal bead on the frame is only partial removal (approximately 10cm) of the yellow film (or white paper tape) cover from the expansion joint foam, then placing the reveal bead on the frame, pressing it and pulling the protective film from underneath the reveal bead placed on the frame; grab the protective film by the 10 cm section removed from the reveal bead at the start of this step. This ensures that the reveal bead is glued evenly. When the reveal beads are glued to the frame, wait about 2 hours to ensure good bonding of the glue. The next step is to stick the painting foil on the window in order to protect the window against dirt during the plastering works. BP13 series reveal beads feature a movable lost element with an adhesive track on it protected with a yellow cover. The yellow cover must be removed and foil must be stuck to the glue path. The window prepared in this way is ready for plastering works without the risk of it being permanently soiled with glue, plaster and/or paint.

The first step is gluing the fibreglass mesh on the BP13 profile to the sides and top of window opening (reveal). Do it so that in one gluing operation the façade reinforcing system mesh is glued with the fibreglass mesh of the BP13 profile. When the adhesive is dry, place the structural plaster in an even thickness, placing it in the groove of the BP13 profile.

**PLEASE NOTE: The structural plaster should be inside the groove (reveal bead body). NEVER apply plaster on the external surface of the groove wall (reveal bead body)!**

When the plaster is dry (preferably after a few days - depending on weather conditions) remove the lost part (element) from the profile together with the protective window foil. Start removing the lost part (element) from the window corner with one continuous move (without jerking or changing the tearing angle).

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

The reveal beads can be used, assembled and used in temperatures up to +50 deg. C.

It is recommended to avoid installing BP13 series reveal beads on the frame in sub-zero temperatures, because in such conditions water vapour condenses on the surface of the frame and the adhesion of the glue drops dramatically.

### **Colours of reveal beads**

BP13 series reveal beads are available in technical white colour and the following other colours: RAL 8001, RAL 7000, RAL 8017 and RAL 7024. BP13 series reveal beads can be made by the manufacturer in any other RAL, under special request by the customer.

Reveal beads in a colour other than technical white colour are made of hard and soft PVC natural technical granulate, used for dyeing in the mass by adding appropriate pigments.

BP13 series reveal beads in the version with a seal in the above mentioned colours and in the version with a seal in white technical colour, the seal should not be painted. The seal is made of softened PVC and is not suitable for painting because the chemical composition of the seal makes it impossible to bind the seal surface with paint (acrylic, silicone, silicate paint), moreover, as the seal is soft, it will cause dried paint to crack and fall off.

The manufacturer permits painting only the reveal beads in white technical colour and only a certain part of reveal beads, the so-called "body" (groove) made of hard PVC technical material.

Painting the seal - regardless of its colour - is at the sole risk of the customer.

### **Treatment of reveal beads.**

Trimming can be done with a fine-toothed hand saw or scissors.

Due to the presence of fibreglass mesh, protective gloves and protective glasses should be worn.

In case of contact of glass fibres with eyes, mouth, trachea or skin, it is essential to consult a physician.

## **6. Product range**

B13 series PVC reveal beads with fibreglass mesh are manufactured in standard dimensions (+/- 5%):

BP13, length 1500 mm, external width 9 mm, internal groove width 6 mm

BP13, length 2500 mm, external width 9 mm, internal groove width 6 mm

BP13, length 3000 mm, external width 9 mm, internal groove width 6 mm

BP13 MIDI, length 1500 mm, external width 9 mm, internal groove width 3 mm

BP13 MIDI, length 2500 mm, external width 9 mm, internal groove width 3 mm

BP13 MIDI, length 3000 mm, external width 9 mm, internal groove width 3 mm

BP13 MINI, length 1500 mm, external width 6 mm, internal groove width 3 mm

BP13 MINI BU, length 2400 mm, external width 6 mm, internal groove width 3 mm

BP13 MINI BU, length 2500 mm, external width 6 mm, internal groove width 3 mm

BP13 MINI BU, length 3000 mm, external width 6 mm, internal groove width 3 mm

BP13 MINI U, length 1500 mm, external width 6 mm, internal groove width 3 mm

BP13 MINI U, length 2400 mm, external width 6 mm, internal groove width 3 mm

BP13 MINI U, length 2500 mm, external width 6 mm, internal groove width 3 mm

BP13 MINI U, length 3000 mm, external width 6 mm, internal groove width 3 mm

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

BP13, BP13MIDI, BP13MINI BU as well as BP13 MINI U reveal beads are packed in cardboard boxes protecting the reveal beads against damage in transportation.

Number of pieces in one cardboard box: 25.

Storage: maximum number of layers: 15.

Storage: dry, cool place with an even surface.

## **8. Chemical 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**

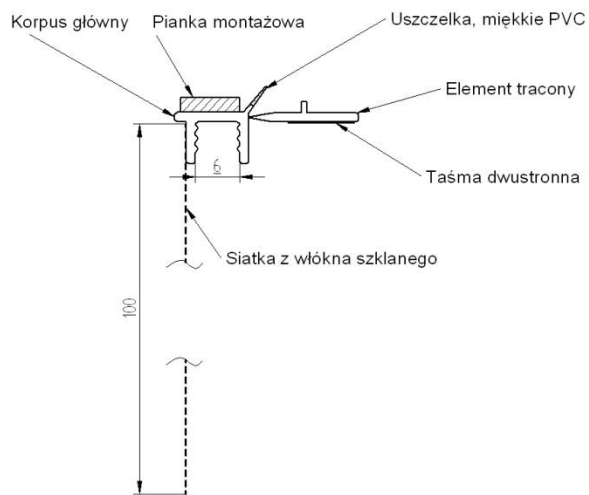
The product conforms with the following documents:

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

HYGENIC APPROVAL no. BK/B/0823/01/2018 of 7 September 2018 (issued by the National Institute of Hygiene [Instytut Higieny] in Warsaw)

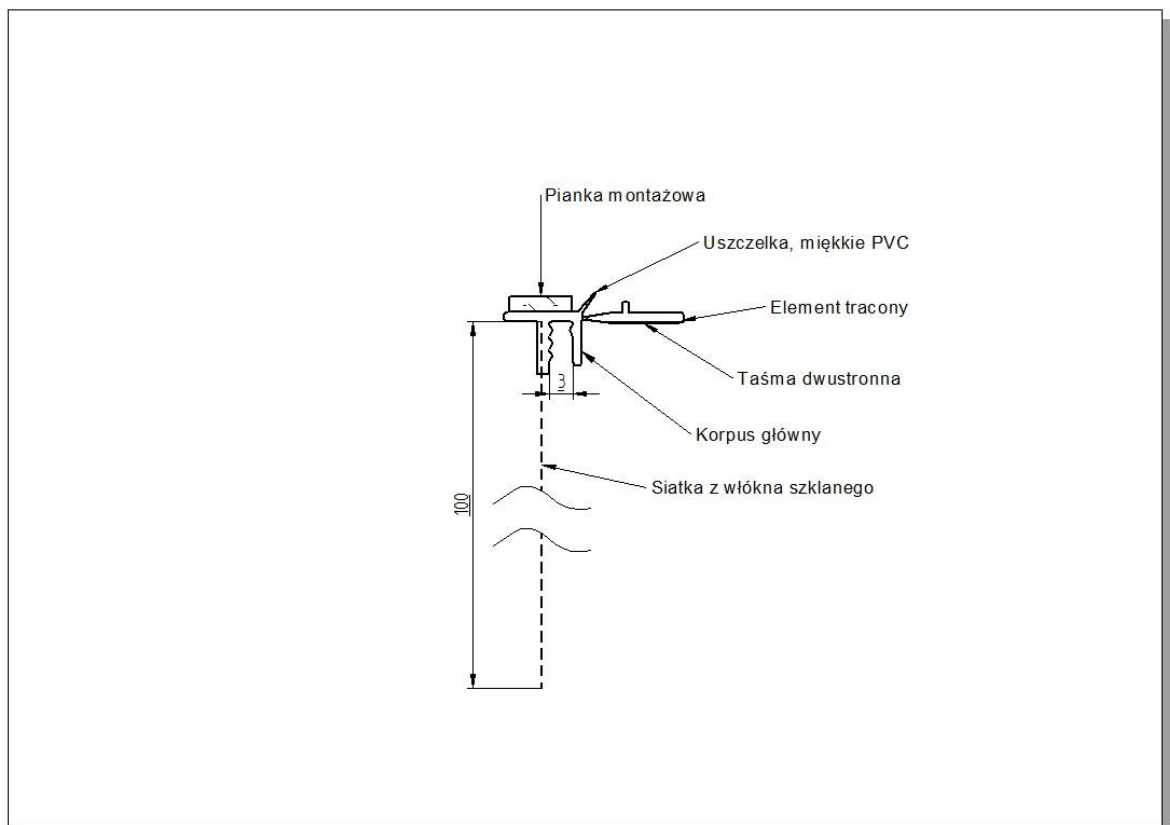
## **10. DRAWINGS:**

## BP13



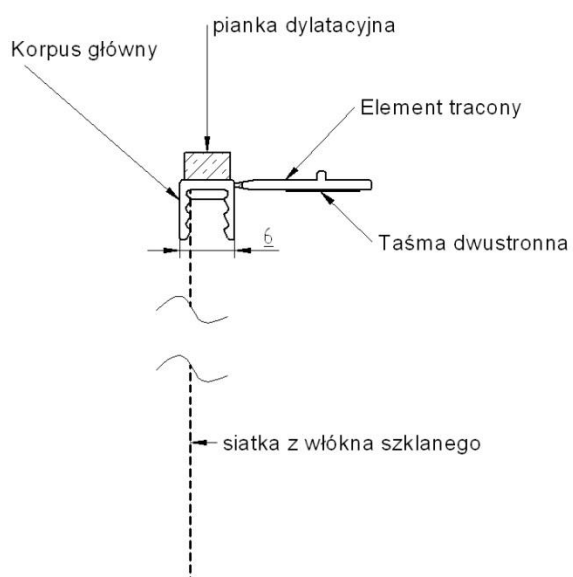
Korpus główny	Main body
Pianka montażowa	Mounting foam
Uszczelka, miękkie PVC	Seal, soft PVC
Element tracony	Lost element
Taśma dwustronna	Two-sided tape
Siatka z włókna szklanego	Fibreglass mesh

## BP13MIDI



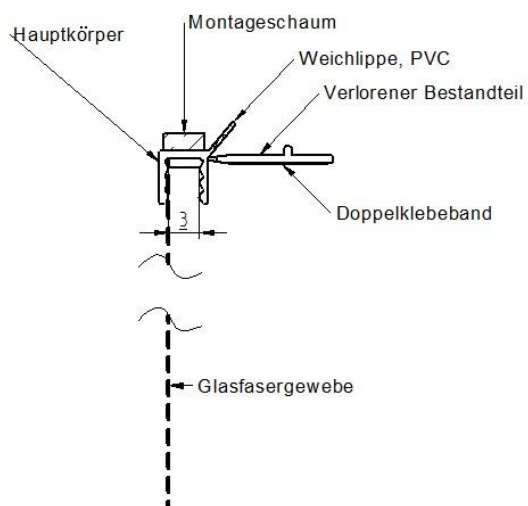
Pianka montażowa	Mounting foam
Uszczelka, miękkie PVC	Seal, soft PVC
Element tracony	Lost element
Taśma dwustronna	Two-sided tape
Korpus główny	Main body
Siatka z włókna szklanego	Fibreglass mesh

## BP13MINI BU



Korpus główny	Main body
Pianka dylatacyjna	Expansion foam
Element tracony	Lost element
Taśma dwustronna	Two-sided tape
Siatka z włókna szklanego	Fibreglass mesh

## BP13 MINI U



BP-13 mini U