



EU DECLARATION OF CONFORMITY  
DECLARACIÓN UE DE CONFORMIDAD

**3E Basor**  
CABLE TRAY SPECIALIST

www.basor.com



The company / La Empresa:

**BASOR ELECTRIC, S.A.**

Address / Dirección:

Av. Alcodar, 45-47, 46700. Gandía (VLC), Spain.

Declares that the product:

*Declara que el producto:*

**BASORPLAST BPE**

Installed in accordance to the installation standards, manufacturer's instructions and professional rules, duly maintained and used for the applications as intended.

*Instalado de acuerdo con las normas de instalación, instrucciones del fabricante y conforme a las reglas profesionales, debidamente mantenido y utilizado en las aplicaciones para las que está previsto.*

Complies with the essential requirements of the Council Directives:

*Cumple con los requisitos esenciales de las Directivas del Consejo:*

**2014/35/UE (Low Voltage Directive) / (Directiva de Baja Tensión)**

Incorporated in the Spanish Legislation in: R.D. 187/2016.

*Incorporado en la Legislación Española en: R.D. 187/2016.*

And it is suitable and safe for the intended use and it is in conformity with the following standard:

*Es adecuado y seguro para el uso a que está destinado y es conforme con la siguiente norma:*

**UNE EN 61537**

Additional information:

*Información adicional:*

This product is intended to be installed and maintained by skilled persons, it may be used by ordinary persons only as a replacement part, to substitute for an identical device.

*Este producto está previsto para ser instalado y mantenido por un profesional, puede ser usado por una persona no formada para reemplazamiento de uno idéntico.*

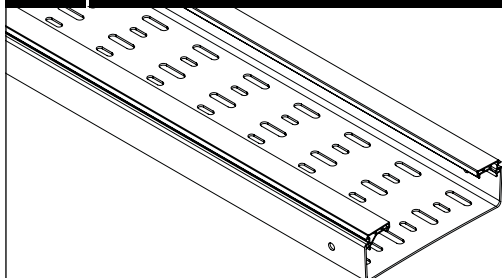
Place and date:

*Lugar y fecha:*

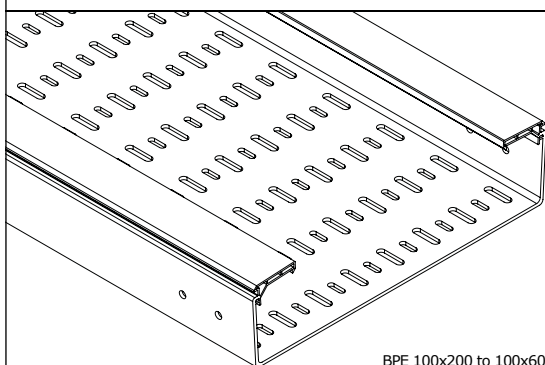
Gandía May 2016

*Gandía Mayo 2016*

Technical department / Departamento Técnico

**BPE**

BPE 60x100 to 60x300



BPE 100x200 to 100x600

**Models (HxB):**

60x100; 60x150; 60x200; 60x300; 100x200; 100x300; 100x400; 100x600.

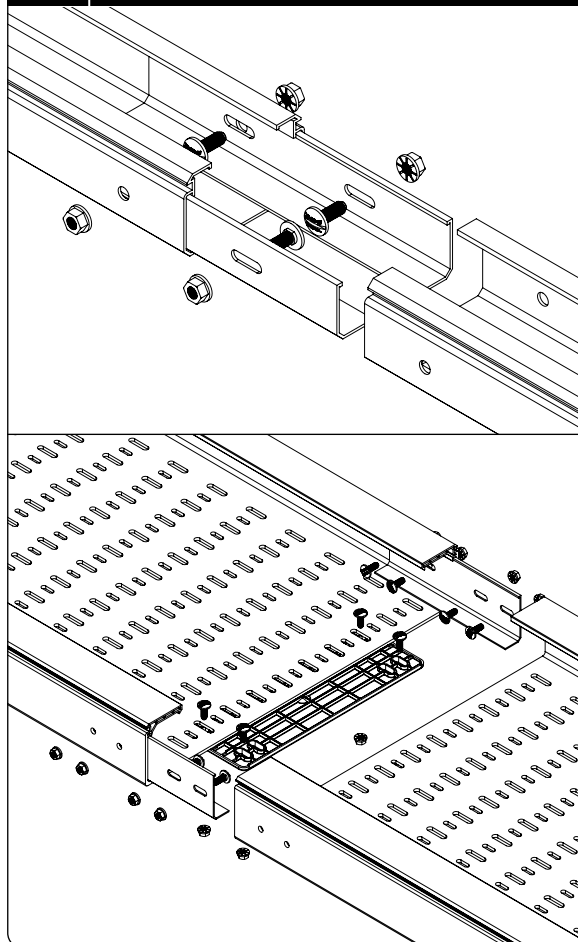
**Finishes:** UVM1 RAL 7035**Characteristics of the tray:**

- Non metallic system
- Resistant to UV radiation under UL568 certificate. Excellent behaviour in outdoor installation.
- Impact Strength: 20J, except 60x100 and 60x150 with 10J
- Minimum temperature: -20 °C
- Maximum temperature: 60 °C
- Non-flame propagating component
- Without electrical continuity
- Electrical insulating component
- Dielectric Strength 18 +/- 2 kV/mm
- High protection inside and outside against corrosive substances
- Plastic system resistant to humidity/salty and chemical environments according to DIN 8061 and iISO/TR 10358
- M1 reaction to fire acc. to UNE 23727
- Glow wire test degree 960°C, UNE-EN 60695-2-11
- Flammability UL 94-VO, ANSI/UL 94-1995
- Limiting Oxygen Index LOI>50%, UNE EN ISO 4589
- Comply with RoHS directive, 2011/65/UE
- Raw material without silicone
- Classification according to free base area:  
Non-slotted: Class A  
Slotted:



Base	Class
100	B
150	B
200	B
300	B
400	B
600	B

## ASSEMBLING INSTRUCTIONS



- For the assembly, two union joints and four M8 Bolt sets are needed for each stretch (8 for H100 models). For trays with a width  $\geq 400$  mm it is necessary to use the JUBPE-C base joint to accomplish the requirements of full load transverse arrow indicated by IEC 61537. This union requires 4 screw set CTBP M8 PVC, and it can be placed inside or outside the cable tray.
- For vertical assemblings, both in ascent as in horizontal paths, the fixation of the tray to the support should be done by stainless steel screws (ISO7380-2 M8x30 and DIN6923 M8).
- It is recommended to place the union joint at a distance of  $L/4 - L/5$  of the support PSBPE being  $L$  the support spacing.
- Tray installation for electrical systems should NOT run under other types of canalisations such as water, vapour or gas canalisations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays placed on supports shall keep 20 mm gap from the wall to allow cables correct ventilation.
- Suitable for wet, salty and chemical agresive enviroments.
- To assure good performance under expansions , the increase in temperature must be noted, between the installation and the maximum temperature expected. Depending on the expected growth in the temperature ( $\Delta T$ ) leave a gap ( $h$ ) between cable trays according to the following table :

$\Delta T$ (°C)	$h$ (mm)
20	5
30	7
40	9
50	11

### Accessories:

The family has a large range of accessories such as: cover TBPE, clamp BIK10-BPE, separator PSBPE, horizontal bend CPBPE, inside bend CCBPE, outside bend CCXBPE, derivation PDBPE, blind end TFBPE, union joint JUBPE, articulated union joint JUBPE-A, hinge joint JUBPE-B, base union joint JUBPE-C and screw set CTBP M8 PVC.

## SAFE WORKING LOAD

Installations up to 40 °C

MODEL	Safe Working Load (kg/m)	
	1 m Span	1,5 m Span
BPE-60x100	38	24
BPE-60x150	39	25
BPE-60x200	67	38
BPE-60x300	74	45
BPE-100x200	121	87
BPE-100x300	123	89
BPE-100x400	178	108
BPE-100x600	212	121

Installations up to 60 °C

MODEL	Safe Working Load (kg/m)	
	1 m Span	1,5 m Span
BPE-60x100	28	12
BPE-60x150	30	12
BPE-60x200	45	20
BPE-60x300	50	21
BPE-100x200	73	49
BPE-100x300	81	50
BPE-100x400	114	68
BPE-100x600	133	96