



EU DECLARATION OF CONFORMITY  
DECLARACIÓN UE DE CONFORMIDAD

**3EBasor**

CABLE TRAY SPECIALIST

www.basor.com



Certificado Nº SGI 3198065/11



Certificado Nº SGI 3198065/12

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 BPI**

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

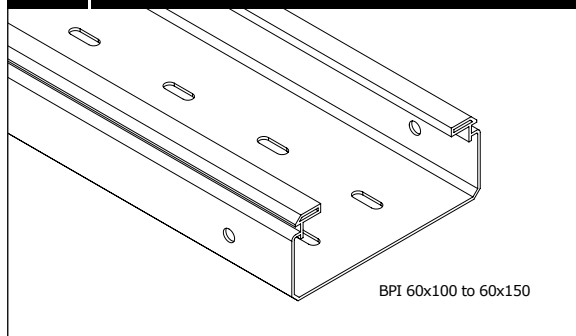


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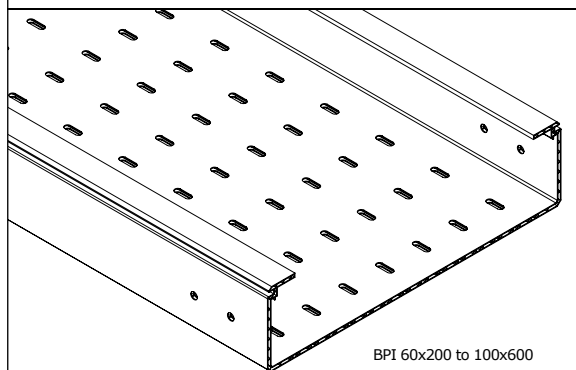


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## BPI



BPI 60x100 to 60x150



BPI 60x200 to 100x600

## Models (HxB):

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

## Finishes: PVC M1 RAL 7030

## Characteristics of the cable tray:

- Non metallic system
- Impact strength: 20J, except 60x100 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
- Interior and exterior high level of protection against corrosive or polluting substances
- Plastic system resistant to humidity/salty and chemical environments according to DIN 8061 and ISO/TR 10358
- M1 fire rating according to UNE 23727
- Glow wire test: 960°C rating acc. to UNE-EN 60695-2-11
- UL 94-VO, ANSI/UL 94-1995
- Oxygen Level LOI > 50%, UNE EN ISO 4589
- Comply with RoHS, 2011/65/UE
- Raw material without silicone

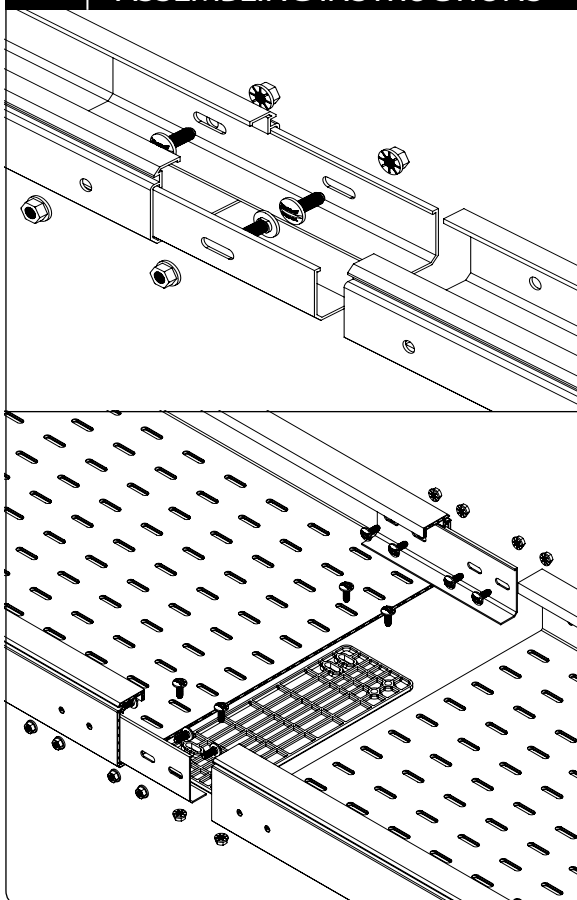
## - Classification acc. to the free base area:

Non perforated: Class A

Perforated:

Base Models	Classification
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  $\geq 300$  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.
- It is recommended to place the union joint at a distance of  $L/5$  of the support being  $L$  the support spacing.
- Tray installation for electrical systems should NOT run under other types of canalizations such as water, vapour or gas canalizations.
- To guarantee a good ventilation, we recommend installing the trays keeping a minimum distance of 250 mm between each tray.
- Trays which are placed on supports shall have to keep a gap of 20 mm from the wall to allow a correct ventilation of the cables.
- Suitable for wet, salty and chemical environments.
- Material with limited direct exposure to UV resistance. For use directly exposed to UV rays consult the family BASORPLAST BPE
- 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 TBPI, separator PSBPI, horizontal bend CPBPI, inside bend CCBPI, outside bend CCXBPI, derivation PDBPI, blind end TFBPI, union joint JUBPI, 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)	
	Span 1 m	Span 1,5 m
BPI-60x100	39	24
BPI-60x150	39	27
BPI-60x200	94	47
BPI-60x300	97	54
BPI-100x200	113	80
BPI-100x300	114	80
BPI-100x400	190	126
BPI-100x600	210	135

Installations up to 60 °C

	Safe Working Load (kg/m)
MODEL	Span 1 m
BPI-60x100	31
BPI-60x150	31
BPI-60x200	61
BPI-60x300	64
BPI-100x200	80
BPI-100x300	82
BPI-100x400	142
BPI-100x600	151