

# BKN-90

PVC Water Stop Bar

**Description:** BKN-90 is made from plastic PVC, heat resistance, and aging resistance. The product is designed to waterproof expansion joints, settlement joints, construction joints, and cold joints of construction parts.

**Recommended for:** Used for expansion joint, settlement joint, construction joint,...the following items:

- Wall basement. Swimming pool.
- Disposal tank, underground tank, flameproof and unburned tank,...
- Expansion joint of the basement floor. Hole of staircase....

**Advantages:**

- Easy to use, highly effective.
- High waterproof when concrete gets set.
- Bonding well with concrete.
- Chemical and alkaline resistance.
- There are many types to suit each location of structure.

## SPECIFICATION

Purpose	Type	Width of bar (mm) ± 3%	Web thickness (mm) ± 10%	Length (m)
Construction joint	V150	150	3 ÷ 5	20
	V200	200	3 ÷ 5	20
	V250	250	3 ÷ 5	20
	V320	320	3 ÷ 5	20
Expansion joint	O150	150	3 ÷ 5	20
	O200	200	3 ÷ 5	20
	O250	250	3 ÷ 5	20

**Storage:** Dry and cool place( avoid direct sunlight).

**Existence form / Colour:** Block band / Yellow.

**Density:** 1.40 ± 0.02 kg/liter.

**Chemical base:** Polyvinyl Clorua.

**Shore A hardness:** > 65 (ASTM 2240 -02).

**Tensile strength:** ≥ 11.8 MPa (TCVN 9407:2014 and JIS K6773:2007).

**Extension:** ≥ 250% (TCVN 9407:2014 and JIS K6773:2007).

**Application temperature:** -55°C÷55°C.

**Chemical resistance:** Acid, alkaline resistance, wastewater resistance, seawater resistance.

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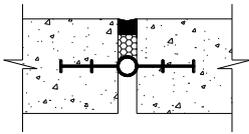
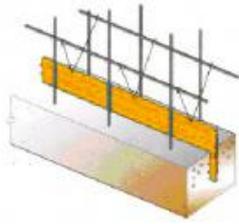
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**INSTALLATION:**



**Construction joint:**

Use BKN-90 V in the middle structure.

Formwork positioning: the positioning method allows a half BKN-90 V projecting hose and the rest will be entombed in concrete. BKN-90 V will be positioned by formworks.

Constructive reinforcement positioning: Use wire to link with steel bar of structure to position BKN-90 V not move during the concrete placement. BKN-90 V does not use to separate the mass concrete.

**Expansion joint:**

Use BKN-90 O in the middle structure.

BKN-90 O can be positioned by formwork of 2 parts separated. However, when using BKN-90 O for expansion joint, and construction joint moving, the letter "O" empty is not hidden in concrete. This method helps BKN-90 O to be flexible.

**Concrete placement:**

**Period 1:** Before pouring concrete must check the installation and location of joints,...BKN-90 will promote the features when both sides are deep on concrete, the concrete placement must comply with the technical requirement to avoid concrete being void at the joint location.

In concrete aggregate with a grain size suitable aggregate, the slump is not too high or too low. During concrete, placement must evenly distribute the pressure of 2 sides of BKN-90 to avoid BKN-90 being folded back.

**Period 2:** Remove framework carefully around BKN-90, and recheck concrete at the joint position is void or not, if yes, should be repaired. Clean the dropping concrete on BKN-90 of period 1. Then pouring concrete for the next.

**Solder joint:**

**Use electric knife welding to weld on the construction site.**

- **Butt weld:** Heated together both ends of the weld by electric knife welding until the PVC layer flows, take a knife out and squeeze two joints together, hold until the joint welding is cool, and stick together. Recheck if the joint welding does not meet, must reweld.
- **Lap welding:** Heated together both ends of the weld about 5cm when PVC is flowing, take a knife out and squeeze two joints together until the lap welding is cool and sticks together.

**Cleaning:**

Proper disposal in accordance with local.

**Safety:**

Non-toxic. But be aware to avoid inhaling smoke and steam in the process of welding PVC. Therefore be clear position welding.

**Disclaimer:**

*The technical information and application instructions in documents of BESTMIX are based on BESTMIX's current knowledge and practical experience. The information here only describes the general nature of the product, so users should test the product for each purpose. BESTMIX has the right to change the features of our product, user must always refer to the latest technology product.*

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