

VINSTOPS™

Flexible PVC Waterstop

OVERVIEW

VINSTOPS flexible PVC waterstop is produced from high-grade polyvinyl chloride (PVC) resin. Product is designed for sealing construction, expansion and settlement joint in reinforced concrete structures. **VINSTOPS** meets requirements of TCVN 9407:2014 and BS 2571.

APPLICATION

- **VINSTOPS** used in concrete for the sealing of construction and expansion joints, are embedded in concrete across and along the joint to form a continuous watertight diaphragm that prevents the passage of fluid through the joint.
- **VINSTOPS** is typically used in water retaining and excluding structure such as: Reservoirs, sewage tanks, dams, pools, basements, tunnels retaining walls, pits, partitions of elevators etc
- **VINSTOPS** has many shapes centrally and externally placed allow lasting watertight seals in any grades of construction design.

ADVANTAGES

- The surface of **VINSTOPS** has many edges enhances adhesive ability with concrete.
- Easy to weld and fabricate intersection pieces to suit every need. Easy to use on construction site
- High tensile strength, high elongation at break
- High flexible.

WIDTH SELECTION INSTRUCTIONS

The width of the **VINSTOPS** subjects to the thickness of the concrete, the size of the aggregate and the position of the reinforcement. Below are the smart tips of satisfactory choices.

- The distance between the concrete and the **VINSTOPS** must be greater than half the width of the **VINSTOPS** for satisfactory compaction result,
- The width of the **VINSTOPS** should be more than six times the size of the largest aggregate. Example: for use in a construction joint, when the aggregate size is 20 mm, the width of the **VINSTOPS** must be more than $6 \times 20 = 120$ mm.
- The distance between the **VINSTOPS** and reinforcement members should be more than twice the size of the largest aggregate, or an unsatisfactory compaction may result.

INSTALLATION INSTRUCTIONS

Installation:

VINSTOPS must be installed in its correct position securely while the concrete is being placed. Concrete must be fully compacted around the **VINSTOPS** to ensure that no voids or porous areas remain.

Welding on construction site:

Heating simultaneously (about 180°C) both connecting leads of 2 rolls of **VINSTOPS** then jointing tightly them each other, keeping them until the connecting leads are hard.

TECHNICAL DATA

PROPERTY	UNIT	TEST METHOD	QUALITY
Colour	-	Observation	Yellow, blue, white, transparent
Density	g/cm ³	TCVN 4866:2013	≤ 1.4
Hardness Shore A	-	TCVN 1595:2013	≥ 65
Tensile strength	MPa	TCVN 4509:2013	≥ 13
Elongation at break	%	TCVN 4509:2013	≥ 250



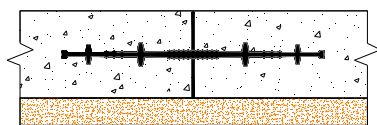
VIETSTAR INDUSTRY COMPANY LIMITED

Head office: Sec.9, Duc Khe, Huong Son, My Duc, Hanoi, Vietnam

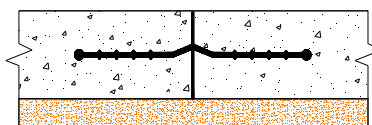
Factory: CN-1, Phu Nghia Industrial zone, Chuong My, Hanoi, Vietnam

Tel: +84. 24. 37880016 Email: contact@vietstarindustry.vn Website: vietstarindustry.vn

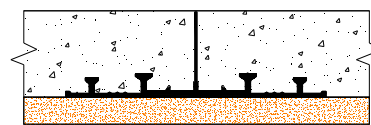




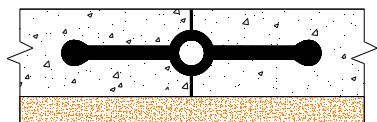
Type V shapes are used for construction joint, in central concrete.



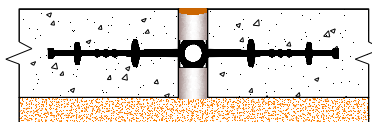
Type KN shapes are used for construction joint, in central concrete.



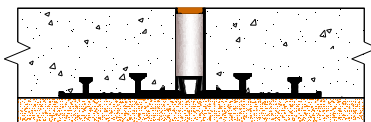
Type SV shapes are used for construction joint, in surface concrete.



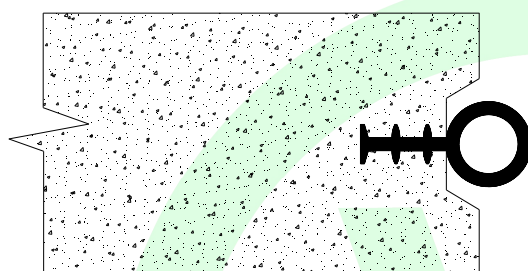
Type B shapes are used for construction joint of barrel wall, in central concrete.



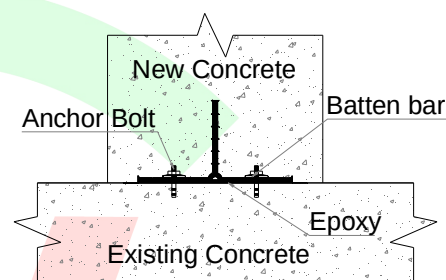
Type O shapes are used for expansion joint, settlement joint in central concrete



Type SO shapes are used for expansion joint, settlement joint in surface concrete



Type Q shapes are used for precast culvert and cast in situ culvert.



Type T shapes are used for construction joint.

CLASSIFICATION

Position	Shape	Type	Width, mm (±3%)	Thickness, mm (±10%)	Length, m
Centrally placed VINSTOPS					
Construction joint		V150	150	2,5 ÷ 4,0	20
		V200C	200	2,5 ÷ 4,0	20
		V200E	200	2,5 ÷ 4,0	20
		V200	200	3,0 ÷ 6,0	20
		V250C	250	2,5 ÷ 4,0	20
		V250E	250	2,5 ÷ 4,0	20
		V250	250	3,0 ÷ 6,0	20
		V300E	300	2,5 ÷ 4,0	15
		V300	300	3,0 ÷ 6,0	15
		V320E	320	2,5 ÷ 4,0	15
		V320	320	3,0 ÷ 6,0	15
		V150-T1010	150	10,0	-
		V150-T1313	150	13,0	-
		V200-T1010	200	10,0	-
		V200-T1313	200	13,0	-



VIETSTAR INDUSTRY COMPANY LIMITED

Head office: Sec.9, Duc Khe, Huong Son, My Duc, Hanoi, Vietnam

Factory: CN-1, Phu Nghia Industrial zone, Chuong My, Hanoi, Vietnam

Tel: +84. 24. 37880016 Email: contact@vietstarindustry.vn Website: vietstarindustry.vn



ISO 9001:2015

		V250-T1010	250	10,0	-
		V250-T1313	250	13,0	-
		V300-T1010	300	10,0	-
		V300-T1313	300	13,0	-
		V320-T1010	320	10,0	-
		V320-T1313	320	13,0	-
		KN92	180	3,0 ÷ 4,0	50
Construction joint of barrel wall		B150-T1010	150	10,0	-
		B150-T1313	150	13,0	
		B200-T1010	200	10,0	-
		B200-T1313	200	13,0	-
		B250-T1010	250	10,0	-
		B250-T1313	250	13,0	-
		B300-T1010	300	10,0	-
		B300-T1313	300	13,0	-
		B320-T1010	320	10,0	-
		B320-T1313	320	13,0	-
Expansion and settlement joint		O150	150	2,5 ÷ 4,0	20
		O200E	200	2,5 ÷ 4,0	20
		O200	200	3,0 ÷ 6,0	20
		O250E	250	2,5 ÷ 4,0	20
		O250	250	3,0 ÷ 6,0	20
		O300E	300	2,5 ÷ 4,0	15
		O300	300	3,0 ÷ 6,0	15
		O320E	320	2,5 ÷ 4,0	15
		O320	320	3,0 ÷ 6,0	15
		O200-T1010	200	10	-
		O250-T1010	250	10	-
		O300-T1010	300	10	-
		O320-T1010	320	10	-
		O400-T1010	400	10	-
		O450-T1010	450	10	-
		O500-T1010	500	10	-
Externally placed VINSTOPS					
Construction joint		SV150	150	2,5 ÷ 4,0	20
		SV200	200	3,0 ÷ 5,0	20
		SV250	250	3,0 ÷ 5,0	20
		SV300	300	3,0 ÷ 5,0	15
		SV320	320	3,0 ÷ 5,0	15



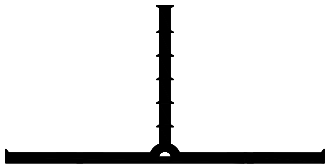
VIETSTAR INDUSTRY COMPANY LIMITED

Head office: Sec.9, Duc Khe, Huong Son, My Duc, Hanoi, Vietnam

Factory: CN-1, Phu Nghia Industrial zone, Chuong My, Hanoi, Vietnam

Tel: +84. 24. 37880016 Email: contact@vietstarindustry.vn Website: vietstarindustry.vn



Expansion and settlement joint		SO150	150	2,5 ÷ 4,0	20
		SO200	200	3,0 ÷ 5,0	20
		SO250	250	3,0 ÷ 5,0	20
		SO300	300	3,0 ÷ 5,0	15
		SO320	320	3,0 ÷ 5,0	15
Specially placed VINSTOPS					
Construction joint		T150.80-T0505	150	5,0	-
		T150.80-T1010	150	10,0	-
		T250.160-T0505	250	5,0	-
		T250.160-T1010	250	10,0	-
Concrete culvert		Q130-T1010	260	10	-
		Q130-T2020	260	20	-

PACKAGE

10m, 15m, 20m, 50m or as customer's demand.

STORAGE

Dry, cool.

HEALTH AND SAFETY INFORMATION

- Ecology: According to local law.
- Transportation: Non hazardous.
- Toxic: Non toxic.
- Important notes: Avoiding gas while heating **VINSTOPS**.

The information, and, in particular, the recommendations relating to the application and end-use of VIETSTAR products, are given in good faith based on VIETSTAR's current knowledge and experience of the product when properly stored, handled and applied under normal conditions in accordance with VIETSTAR's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. VIETSTAR reserves the right to change the properties of its products. Users must always refer to the most recent issue of the local Technical Data Sheet for the product concerned, copies of which will be supplied on request.



VIETSTAR INDUSTRY COMPANY LIMITED

Head office: Sec.9, Duc Khe, Huong Son, My Duc, Hanoi, Vietnam

Factory: CN-1, Phu Nghia Industrial zone, Chuong My, Hanoi, Vietnam

Tel: +84. 24. 37880016 Email: contact@vietstarindustry.vn Website: vietstarindustry.vn

