



VX PVC MasterStop are made using specially compounded PVC resin suitable for construction and expansion joint areas as well as for water retaining structures.

The profiles that are available for internal and external for both construction and expansion joint are capable of providing a watertight seal.

These profiles are available in rolls with separate intersections supplied to simplify and minimize on site fabrication.

The special joint pieces for certain area, where the casting is done in a way where a special designed shape of the waterstop is required, can be supplied by Vexcolt. Vexcolt brings the quality in the manufacturing process to the workmanship of joining the special pieces to ensure the special pieces are according to quality standards.

ADVANTAGES

- Various profiles and sizes available for different types of areas
- Special pieces for intersection readily available made at the factory
- Eyelets at different distance available upon request to ease installation process
- Vexcolt PVC MasterStop conform to the required standards

USES

- Foundation Work
- Basement
- Retaining Wall
- Tunnels
- Reservoirs
- Swimming Pools

TYPICAL PHYSICAL PROPERTIES OF PVC WATERSTOPS

Properties	Test Methods	Nominal Value
Tensile Strength	ASTM D-412-97	2020 PSI
Ultimate Elongation	ASTM D-412-97	320 %
Low Temperature Brittleness @ - 35°C	ASTM D-746-95	Passed
Stiffness in Flex	ASTM D-747-93	1440 PSI
Initial Hardness Shore A	CRD-C-572	80 +/- 5
Tear Strength	ASTM D624	327 N/mm
Deformation under Heat	BS2782	0.8 %
Water Absorption	ASTM D570	0.03
Specific Gravity	ASTM D792	1.38

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Width	Thickness	Elongation	Horizontal and Vertical Deformation (mm)			
			10	20	30	40
150 mm	3mm	300%	Stable	Stable	Stable	-
200 mm	3mm	300%	Stable	Stable	Stable	Stable
250 mm	3mm	300%	Stable	Stable	Stable	Stable

SELECTING THE CORRECT WIDTH

The thickness of the concrete as well as the position of the reinforcement will determine the width of the waterstop. The width of the waterstop is typically smaller or equal to the thickness of the concrete. Please consult a Vexcolt Technical Department for more information regarding the correct sizing of the waterstop.

SITE JOINING

The jointing of the PVC waterstop is typically done by a welding sword or welding blade together with an adjustable jig. The ends of the waterstop that will be joint are aligned to each other place into the jig. The welding sword/blade is then used to heat up the ends of the PVC waterstop till the ends become a semi-molten state. The welding sword/blade is then removed, and the 2 ends are brought together till it fuses with each other.

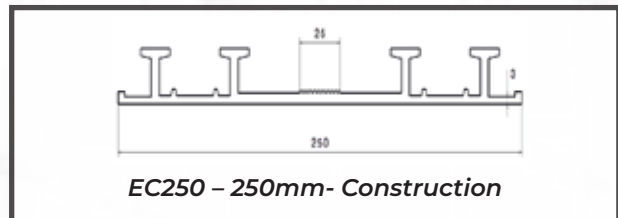
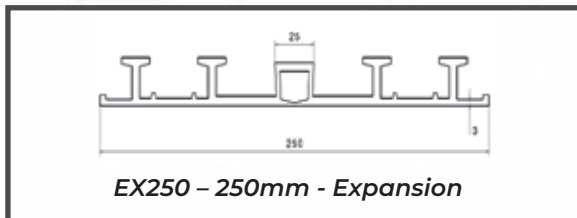
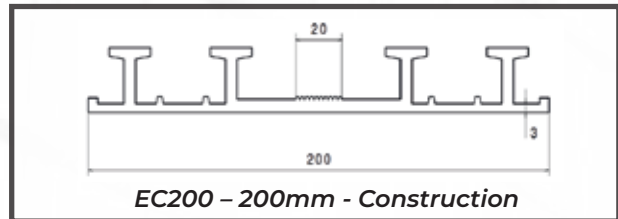
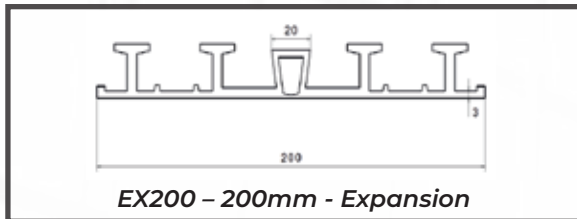
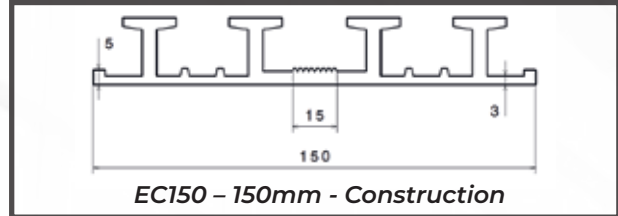
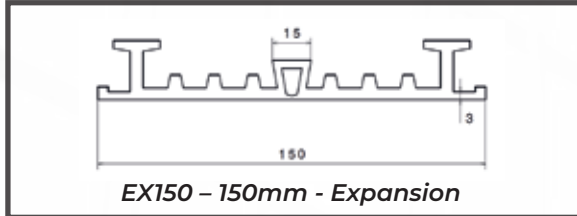


"Flat X Joint"

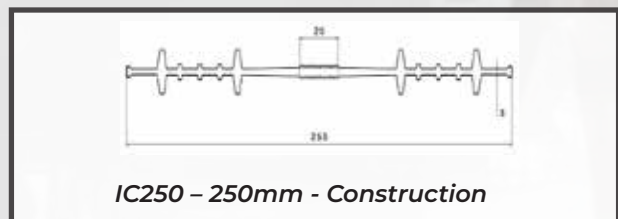
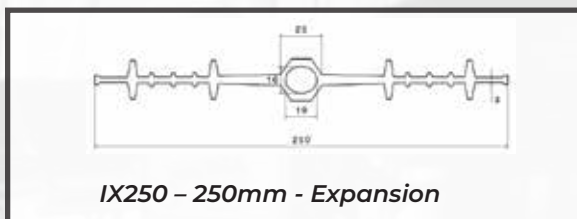
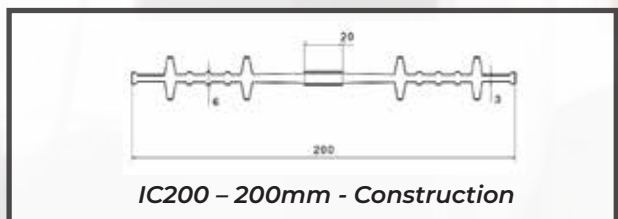
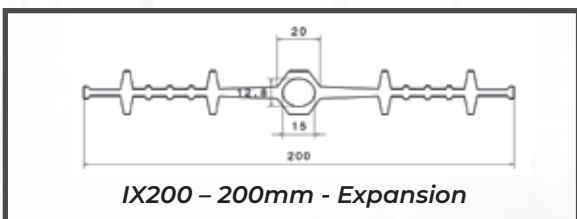
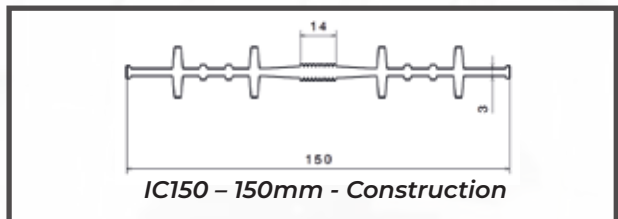
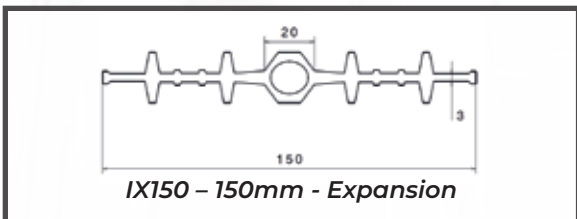


"Vertical T Joint"

EXTERNAL JOINTS

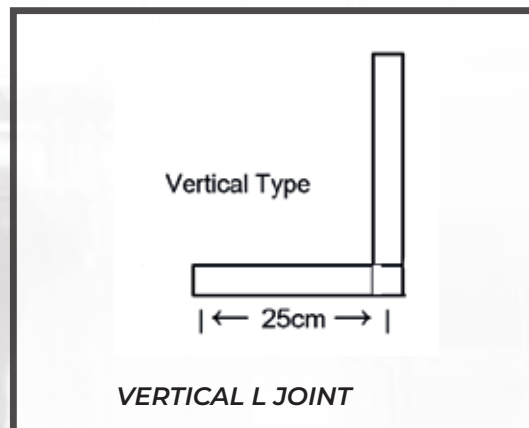
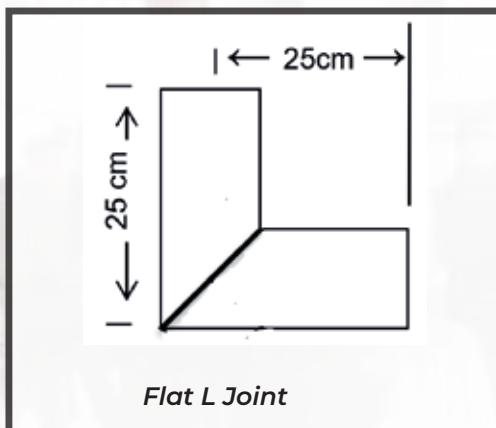
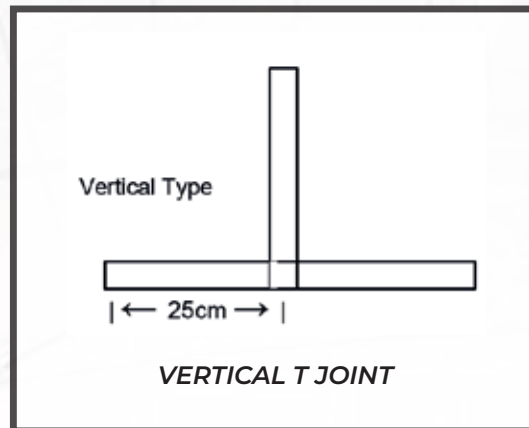
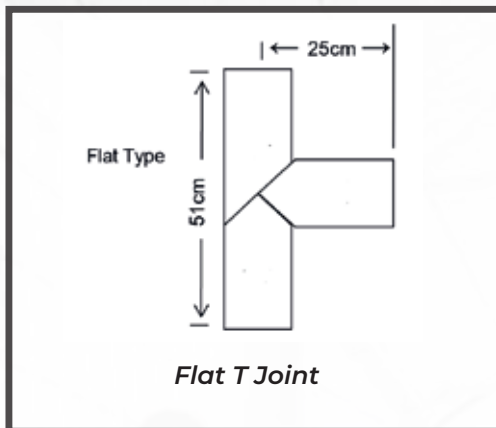
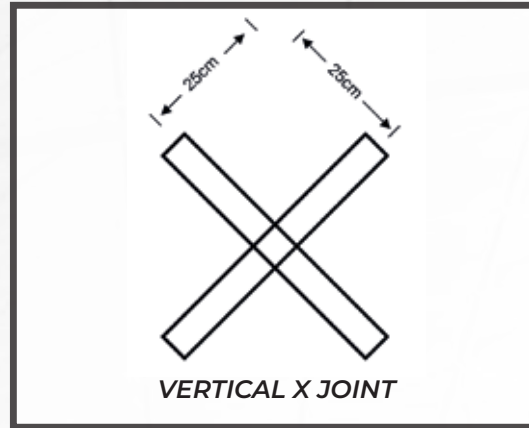
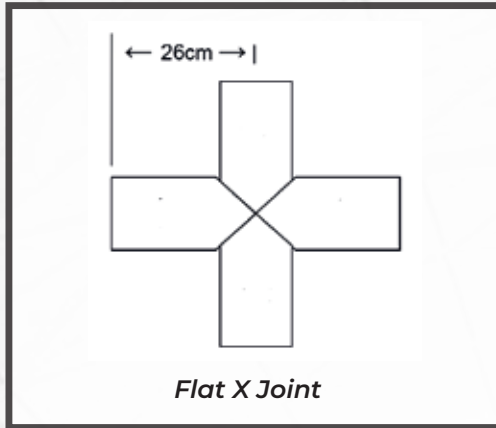


INTERNAL JOINTS





INTERSEPTIONS AVAILABLE



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