

AQUASTOP PVC

FLEXIBLE PVC WATERSTOP



DESCRIPTION

Aquastop PVC are extruded from specially compounded PVC in accordance with Bs2782.

Aquastop PVC are designed for horizontal and vertical construction joints for cast in-situ concrete construction and expansion joints. **Aquastop PVC** are available in different size profiles and types, depending on project's requirement. **Aquastop PVC** are available in rolls and separate prefabricated intersections to simplify and minimize on site fabrication. The waterstop are heat weldable and allows for fast and easy on site joining.

RECOMMENDED FOR

Basement slabs, Lift pits, Retaining walls, Suspended slabs, Swimming pools, Water retaining structures, Tunnels, Roof Slab, Reservoirs, Podium deck.

ADVANTAGES

Full range of sizes and profiles to suit all types of construction requirements, high quality compounded PVC for long term durability and integrity. Factory prefabricated intersections for fast and easy on site welding/joining, ability to withstand high hydrostatic pressure, for use in horizontal and vertical construction joints. Factory pre punched eyelets for easy and secure wire tying to reinforcement bars, simple to weld on site prior to concrete placement, **Aquastop PVC** conform to, and exceed all major international standard.

APPLICATION PROCEDURES

• Profile Width Selection

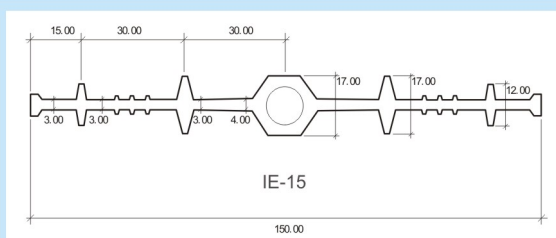
The selection of a suitable width waterstop depends upon thickness of the concrete, location of waterstop, and positioning of the reinforcement. The waterstop profile width should be greater than or equal to the thickness of the concrete slab or wall.

PACKAGING

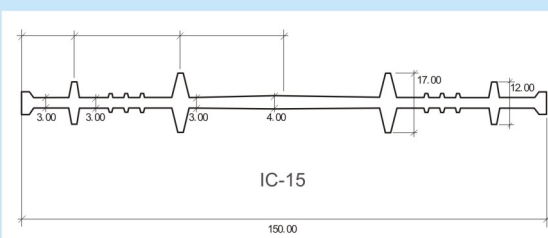
- **Aquastop PVC** for construction and expansion joints available in:
- Length - 150mm to 200mm = 20m roll 250mm = 15m roll 320mm = 12m roll.

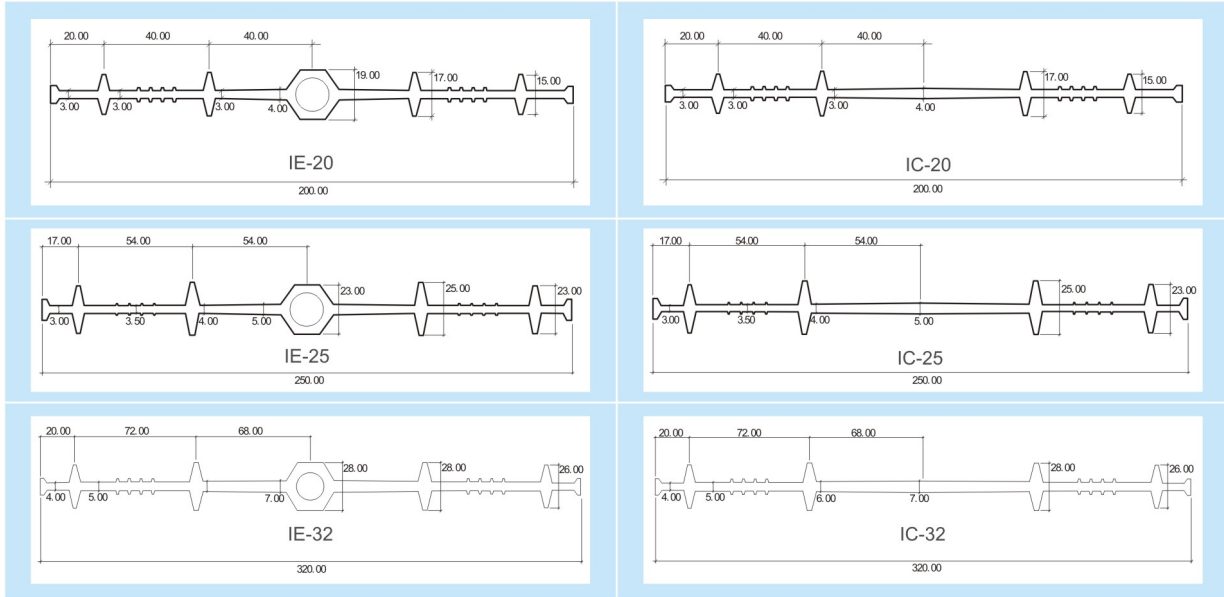
INTERNAL PROFILES

FOR EXPANSION JOINTS



FOR CONSTRUCTION JOINTS

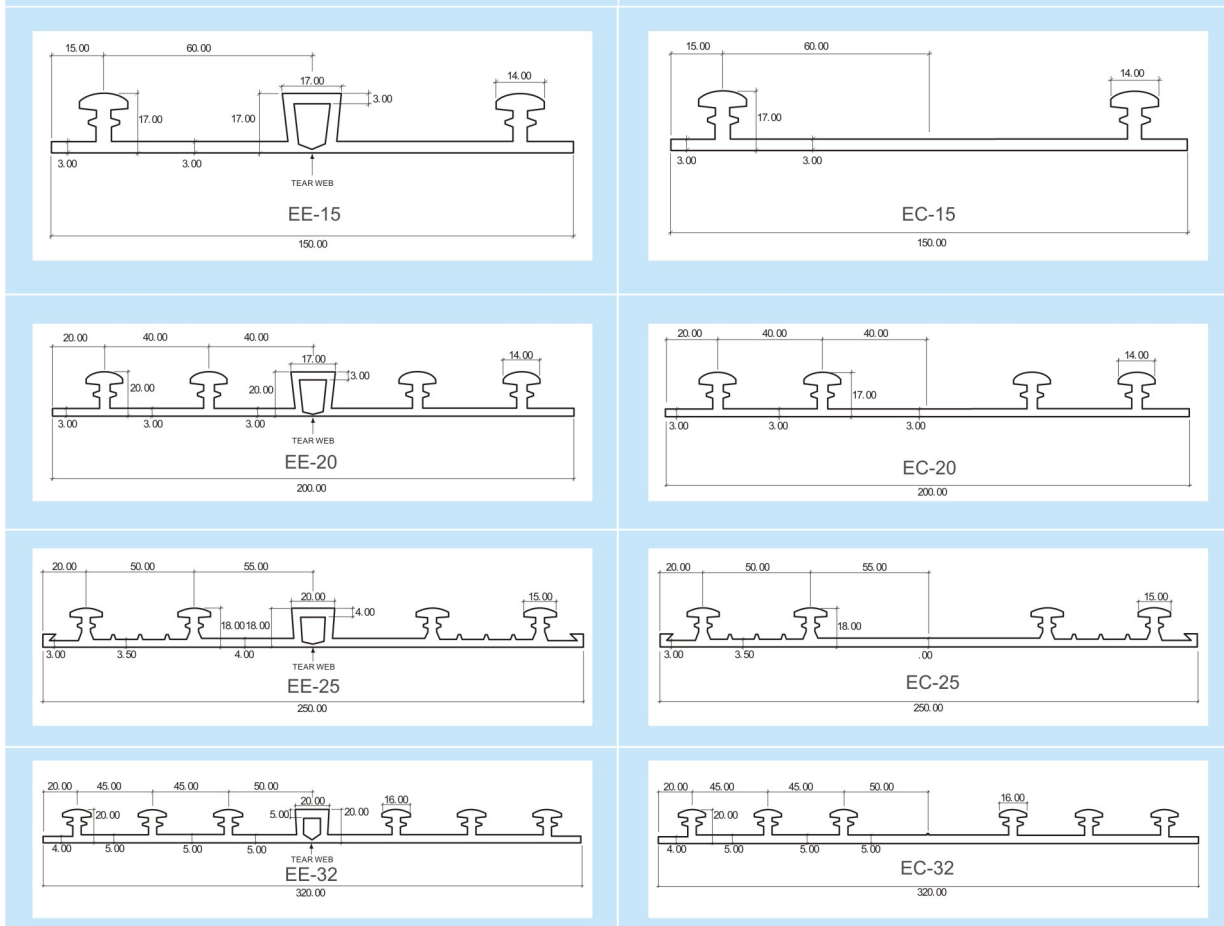




EXTERNAL PROFILES

FOR EXPANSION JOINTS

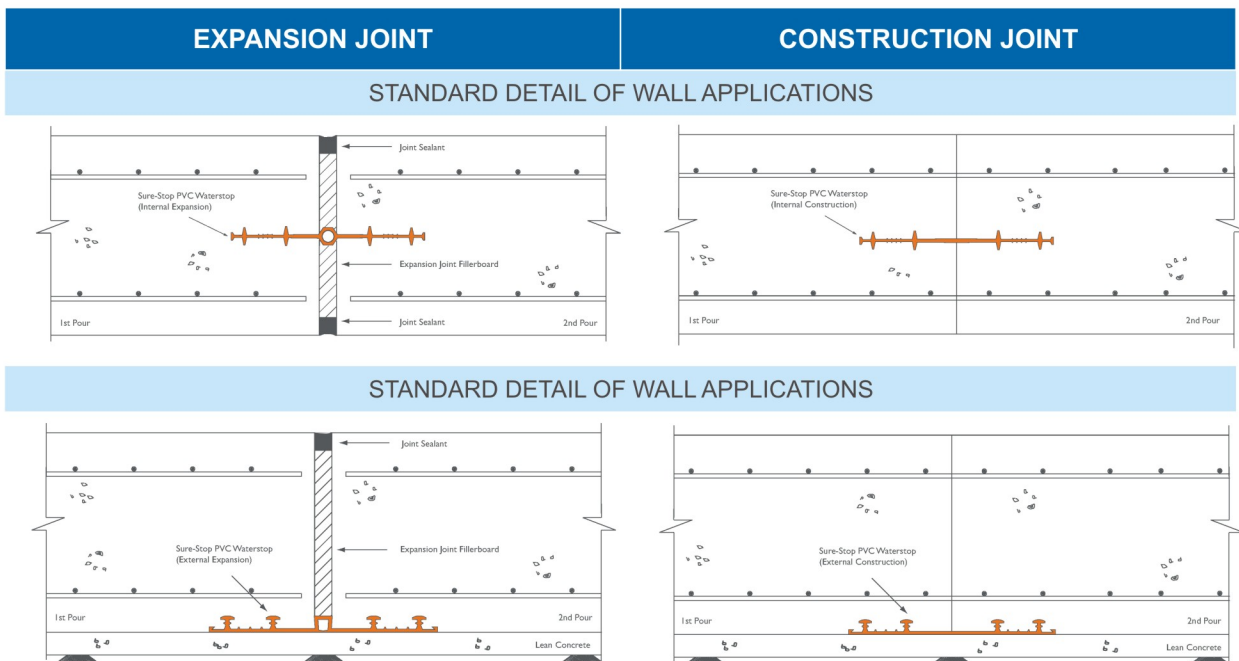
FOR CONSTRUCTION JOINTS



● **Prefabricated intersections**

A wide range of standardized factory fabricated intersection pieces are available allowing easy on site welding of butt joints to **Aquastop PVC** junction pieces. Customized intersection pieces can be made to suit for project requirements. In such cases, detail drawings must be provided giving exact dimensions and jointing details.

TYPICAL APPLICATIONS



Site Joining

- **Aquastop PVC** are made from Polyvinyl Chloride(PVC), therefore allow an easy and simple on site joining. The ends of the waterstop are cut square and placed into the adjustable heating blade. The ends of the waterstop are then pressed against the heated blade (without charring). The heated blade is then removed and the molten ends are immediately pressed fully together. Inspect the welded joints once it has cooled. We recommend the use of factory fabricated intersections to minimize joint failure.

STORAGE

Aquastop PVC must be stored in cool and dry place and has a shelf life of 5 years from date of production in unopened and undamaged sealed packaging.

TECHNICAL SUPPORT

For more information, alternative applications or alternative proposals, please contact our Technical Department at the email address below.

CLEANING

Clean all tools and equipment immediately with water after installation.

Clean accumulated dirt and charred PVC from welding blade while it is still hot.

SAFETY PRECAUTIONS

We recommend the use of protective gloves during application.

TECHNICAL FEATURES

COLOUR	Blue
PACKAGING	150mm - 20m = 20m roll, 250mm = 15m roll, 320mm = 12m roll
ROLL WEIGHT	Dependent upon profile type
STORAGE CONDITIONS & SHELF LIFE	5 years from the date of production if stored properly in original, unopened and undamaged sealed packaging, in dry conditions out of direct sunlight at temperatures between +10°C and +40°C
MATERIAL TYPE	Polyvinyl Chloride (PVC)
WELDING TEMPERATURES	Approximately 190°C - 200°C
SERVICE TEMPERATURE RANGE	-25°C to +70°C

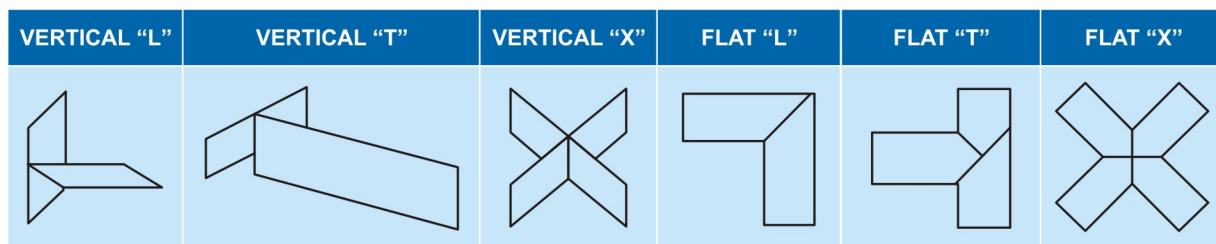
PHYSICAL PROPERTIES

No.	ITEM	REQUIREMENT	TEST RESULT	TEST METHOD
1	Tensile Strength (N/mm ²)	Min. 12.00	15.49	BS 2782:320A
2	Elongation At Break (%)	Min. 300	330	BS 2782:320A
3	Loss of Mass Test (mg/cm ²)	N/A	1.65	BS EN 60811-3-2:1995
4	Water Absorption at 23°C (%)	N/A	0.19	ISO 62
5	Specific Gravity (g/cm ³)	1.38 ± 0.03	1.41	BS 2782:620B
6	Thermal Stability Congo Red Test at 180°C, Min.	N/A	50	BS 2782:130A
7	Hardness, Shore A	75 ± 5	75	BS 2782:365B

Note :

CKS's in house Certificate of Analysis (COA) are conducted on every batch of raw material that is used in the production of AQUASTOP PVC waterstops. Independent laboratory test results are also available upon request.

INTERSECTION DRAWING



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