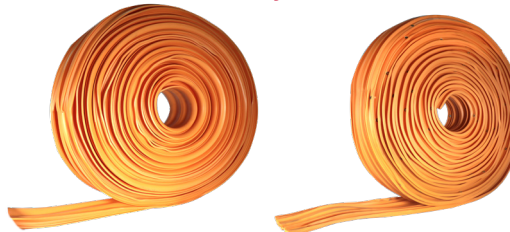


TECHNICAL DATA SHEET

- Jointing Systems
- Polythene Builders Film
- Formwork
- Formworking Accessories
- Nails
- Tie Wire
- Loop Ties
- Waterproofing

Set-Up Hydrostop

Hydrostop PVC waterstops are designed for use in water retaining and water excluding structures where a positive seal is required for poured in-situ concrete expansion, construction and contraction joints.



AREAS OF APPLICATION

Water Retaining Structures

- Water Tanks
- Water Treatment Plants
- Sewerage Treatment Plants
- Swimming Pools
- Dams & Spillways
- Reservoirs
- Bund Walls

Water Excluding Structures

- Basements
- Underground Car Parks
- Tunnels
- Retaining Walls
- Suspended Slabs
- Below Ground Slabs
- Roof & Podium Slabs

FEATURES & BENEFITS

- Full range of profiles and sizes to suit all types of construction requirements
- Hydrostop PVC Waterstops conforms to and exceeds all major international standards
- High quality compounded PVC for long term durability and integrity
- On-site welding equipment is available on request
- Ability to withstand high hydrostatic pressures

ESTIMATING & SIZES

Set-up Hydrostop is available in the following widths:

150mm - 20m Roll
200mm - 20m Roll

250mm - 15m Roll
320mm - 12m Roll

The width is typically dependant upon the thickness of the concrete and position of the reinforcement. The thickness of the concrete should be greater than or equal to the width of the waterstop profile. Refer to your engineer for further clarification and approval

JOINING

Hydrostop should be joined on site using a thermostatically-controlled welding iron and appropriate welding jig. (Each type of waterstop has it's own welding jig to suit the particular shape.)

The ends of the waterstop are cut square and placed into the adjustable welding jig and iron, then pus the ends of the waterstop against the welding iron and bring the two ends together until the molten ends of the PVC Fuse.

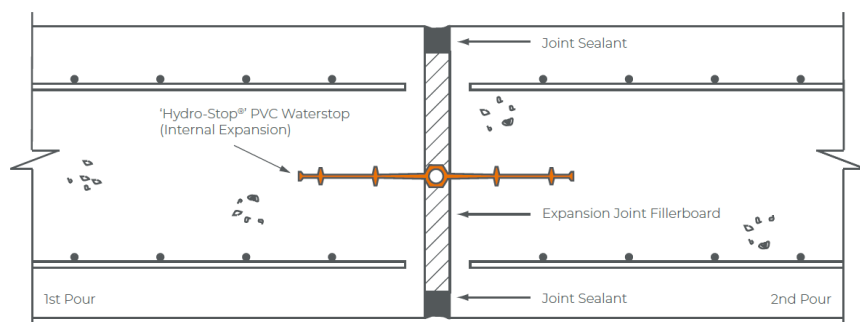
STORAGE AND SHELF LIFE

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 to +40°C.

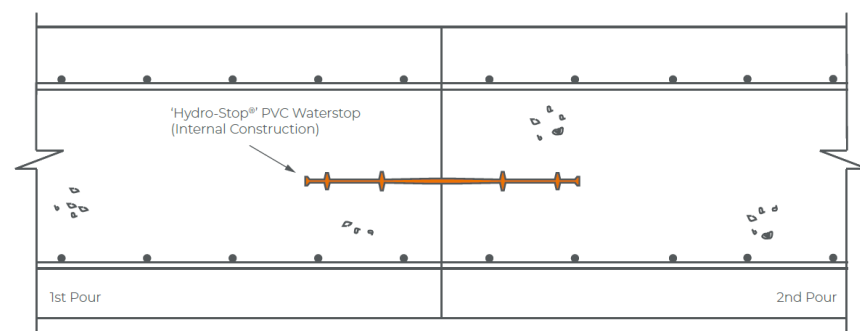
Continued over page.

TYPICAL APPLICATIONS

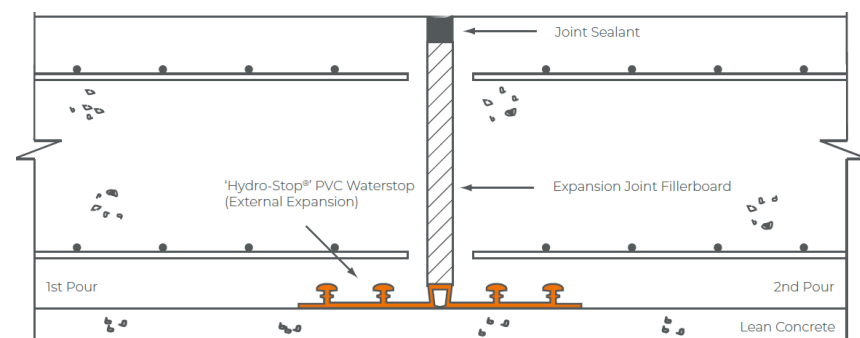
Internally Placed - Expansion Joint



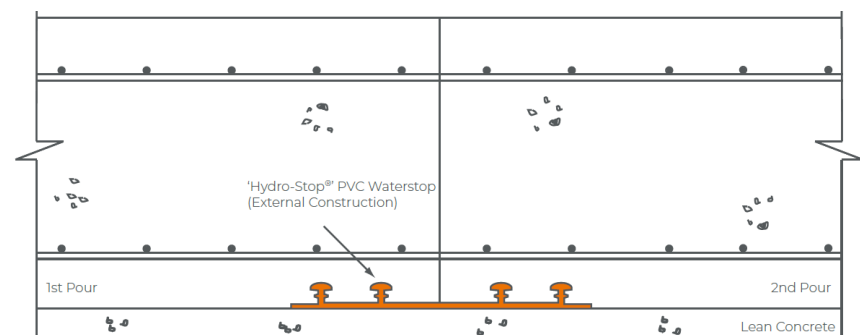
Internal Placed - Control Joint



Externally Placed - Expansion Joint



Externally Placed - Control Joint



set-up

TECHNICAL DATA SHEET

- Jointing Systems
- Polythene Builders Film
- Formwork
- Formworking Accessories
- Nails
- Tie Wire
- Loop Ties
- Waterproofing

Continued over page.

TECHNICAL DATA SHEET

- Jointing Systems
- Polythene Builders Film
- Formwork
- Formworking Accessories
- Nails
- Tie Wire
- Loop Ties
- Waterproofing

TECHNICAL FEATURES

COLOUR	Orange
PACKAGING	150mm - 20m Roll 200mm - 20m Roll 250mm - 15m Roll 320mm - 10m Roll
ROLL WEIGHT	Dependent on 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 & +40 Degrees Celcius
MATERIAL TYPE	Polyvinyl Chloride (PVC)
WELDING TEMPERATURES	Approx 190-200 degrees celcius
SERVICE TEMPERATURE RANGE	-25 to +70 degrees celcius

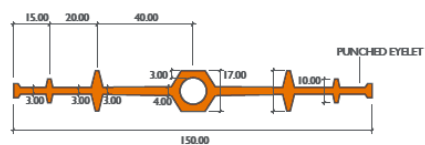
PHYSICAL PROPERTIES

PROPERTY	TEST METHOD	REQUIREMENT	RESULT
Tensile Strength (N/mm2)	BS2782:320A	Min 12.00	15.20
Elongation at Break (%)	BS2782:320A	Min 300	320
Loss of Mass Test (mg/cm2)	BS EN 60811-3-2:1995	N/A	1.65
Water Absorbion at 23 degrees C (%)	ISO 62	Max 0.15	0.15
Specific Gravity (G/cm3)	BS2782:620B	1.38 +/- 0.03	1.41
Thermal Stability Congo Red Test at 180 Degrees C, Min.	BS2872:130A	N/A	50
Hardness, Shore A	BS2782:365B	75 +/- 5	75

Refer to Manufacturers in house Certificate of Analysis (COA) dated 13/12/2018 for test results pertaining to the above. A COA is conducted on every batch of raw material that is used in the production of Hydro-Stop PVC waterstops. Independent laboratory test results are also available upon request. Project specific material properties can be custom compounded to suit. Material properties can vary between batches.

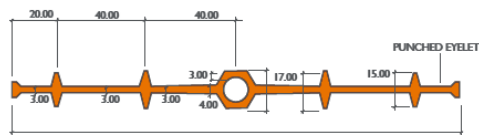
Continued over page.

INTERNAL PROFILES FOR EXPANSION JOINTS



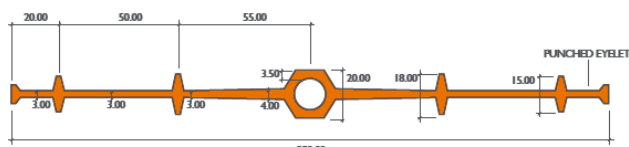
150 CB

Supersedes CJ951



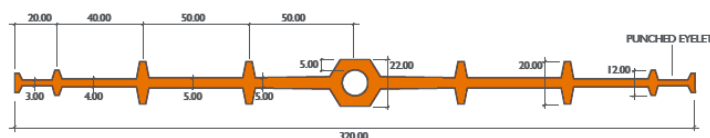
200 CB

Supersedes CJ952



250 CB

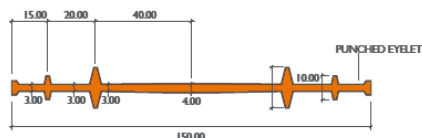
Supersedes CJ953



320 CB

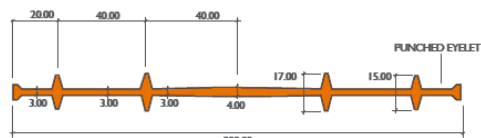
Supersedes CJ954

FOR CONSTRUCTION JOINTS



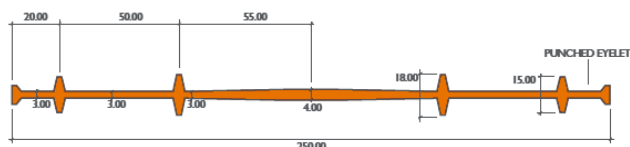
150 CBW

Supersedes CJ955



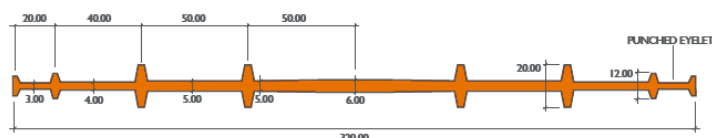
200 CBW

Supersedes CJ956



250 CBW

Supersedes CJ957



320 CBW

Supersedes CJ958

set-up

TECHNICAL DATA SHEET

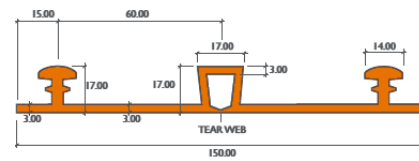
- Jointing Systems
- Polythene Builders Film
- Formwork
- Formworking Accessories
- Nails
- Tie Wire
- Loop Ties
- Waterproofing

Continued over page.

TECHNICAL DATA SHEET

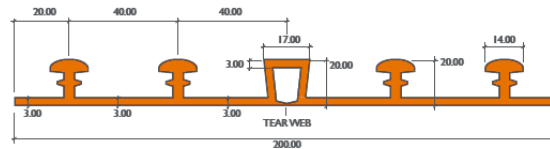
- Jointing Systems
- Polythene Builders Film
- Formwork
- Formworking Accessories
- Nails
- Tie Wire
- Loop Ties
- Waterproofing

EXTERNAL (REARGUARD) PROFILES FOR EXPANSION JOINTS



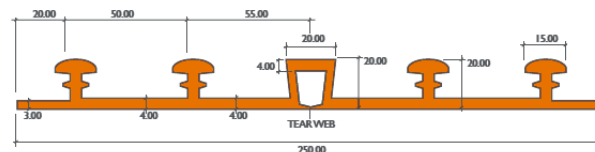
150 RGX

Supersedes CJ923



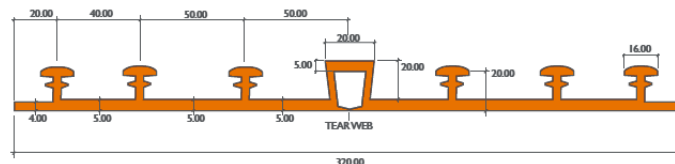
200 RGX

Supersedes CJ924



250 RGX

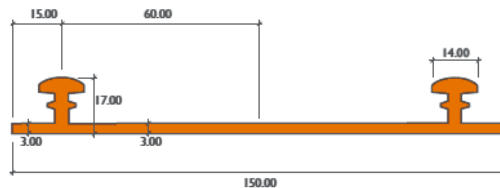
Supersedes CJ925



320 RGX

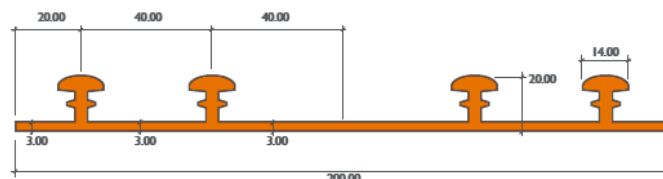
Supersedes CJ926

FOR CONSTRUCTION JOINTS



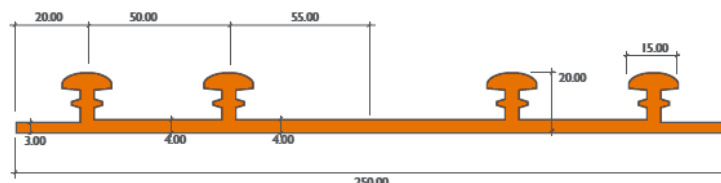
150 RGW

Supersedes CJ927



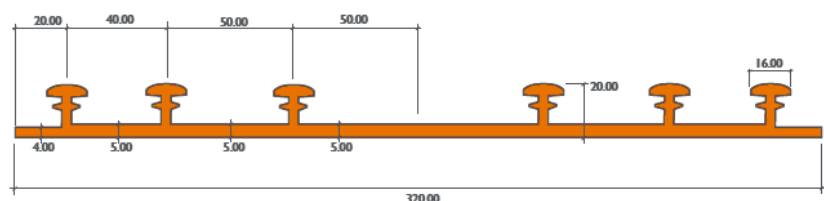
200 RGW

Supersedes CJ928



250 RGW

Supersedes CJ929



320 RGW

Supersedes CJ930

Continued over page.

PROFILE WIDTH SELECTION

The width of waterstop depends upon the thickness of the concrete and positioning of the reinforcement. The thickness of the concrete should be greater than or equal to the width of the waterstop profile. Refer to your engineer for further clarification and approval.

SITE JOINING

Specialised welding equipment is recommended for on-site welding which consists of thermostatically controlled welding irons and special welding jigs (Each type of Hydro-stop requires its own welding jig to suit the particular shape). On-site joining is a simple exercise using appropriate heat welding equipment comprising of an adjustable welding jig and welding iron. The ends of the waterstop are cut square and placed into the adjustable welding jig, then push the ends of the waterstop against the welding iron and bring the two ends together until the molten ends of the PVC fuse. When ordering welding equipment, please advise profile number of waterstop required.

FACTORY MADE INTERSECTIONS

A wide range of standardised prefabricated intersection pieces are available allowing easy site welding of butt joints to hydro-stop junction pieces. Customised pieces can be made to suit. In such cases, drawings must be provided giving exact dimensions and jointing details.



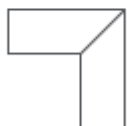
VERTICAL "L"



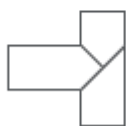
VERTICAL "T"



VERTICAL "X"



FLAT "L"



FLAT "T"



FLAT "X"

DISCLAIMER

Set-Up products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

Product: Set-Up Hydro Stop
Issue Date: 4 November 2022

set-up

TECHNICAL DATA SHEET

P: 1300 ALLCON (255 266)
E: sales@allcongroup.com.au

www.allcongroup.com.au