PVC WATER STOP

SIL-STOP®

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JV POLYMERS

innovative coating

CONCEPT / DESCRIPTION

SIL-STOP® has been designed to provide significant advantages over extruded hydrophilic waterstop in concrete structures. **SIL-STOP®** is available in different sizes and types, depending on their use. It has designed to combine the latest development in hydrophilic technology with the traditional benefits of PVC waterstop and is suitable in contact with portable water and can be used in situations where salt water, sewage are prevalent.

USES

SIL-STOP are used to seal construction and expansion joints in water retaining structures (slab joint of underground structures, vertical joint, expansion joint, wall joint)

- Reservoirs, water towers, dams, spillways, canals and swimming pools
- Basements, underground carparks
- Tunnels, retaining walls

FEATURES AND BENEFITS

- High quality PVC for long durability
- Suitable for high water pressure
- Simple on site jointing
- Full range of molded and fabricated intersection pieces
- Many different sizes and types available, depending on their use
- Not discolor concrete and produce electrolytic action

DESIGN CRITERIA

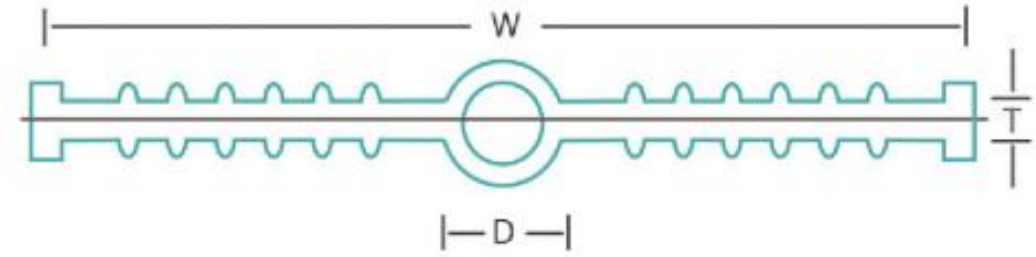
The choice of the dimension of waterstops is fully recommended by concrete dimension, position of the reinforcement, aggregate size and complexity of the pour.

*Centrally placed waterstops are positioned within the thickness of the concrete components and as a result are supported by concrete on both sides.

*Externally placed waterstops are designed for use in basement, foundation and floor slab construction in vertical and horizontal joints in both water excluding structures.

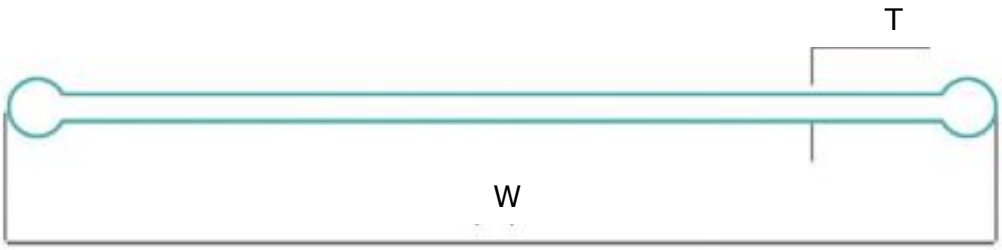
Waterstop Design 1

CC type>



Types	W-Width(±3%)	T-Thickness(10%)	D-Diameter	M-Meter(±3%)
CC-1	100	5	11	20
CC-2	120	5	11	20
CC-3	150	5	11	20
CC-4	200	5	11	20
CC-5	230	5	11	20
CC-6	230	9	16	20

FF type>



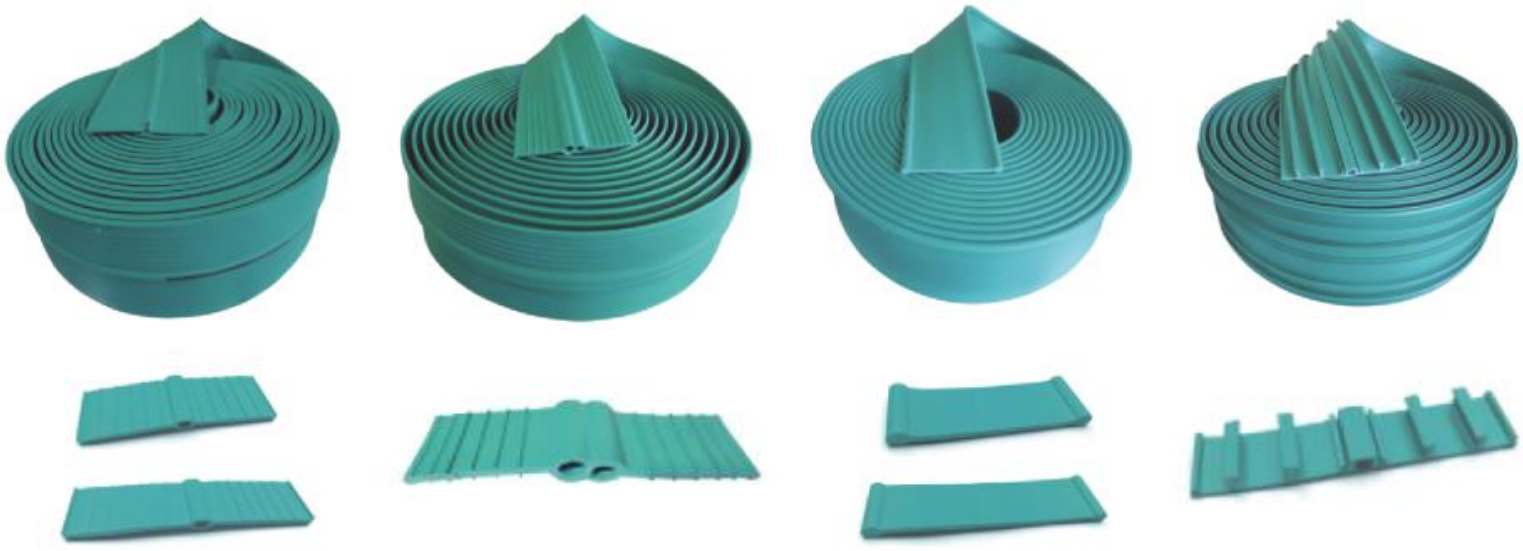
Types	W-Width(±3%)	T-Thickness(10%)	M-Meter(±3%)
FF-1	150	5	20
FF-2	200	5	20

Waterstop Design 2

S type>

Types	W-Width(±3%)	T-Thickness(10%)	D-Diameter	M-Meter(±3%)
SS-6	300	9		15
S-1	70	4		10
S-2	150	5	11*2	20
S-3	200	5	11*2	20
S-4	200	5		20
S-5	230	9		20

CC type	SS&S type	FF type	S type



TECHNICAL DATA(KS M 3805)

Test Item	Test Results
Specific gravity(g/ml at 23°c)	1.4
Hardness(HDA)	85
Tensile strength	12.9MPa
Aging test((100±1)°C,24h) - Percentage Change in weight	-0.1%
***Chemical resistance test ((70±1)°C,336h), Alkali)**	
Percentage change in Tensile strength	-6%
Percentage change in Elongation at break	-5%
Percentage change in Weight	1%
***Chemical resistance test ((23±2)°C,336h), Saline solution)**	
Percentage change in Tensile strength	0.2%
Percentage change in Elongation at break	-5%
Percentage change in Weight	0.4%

STORAGE AND PRECAUTIONS

Store in cool and dry conditions in unopened original sealed packaging at temperatures between +5°C and +35°C. Protect from direct sunlight.

◈ Avoid dust, oil, lubricant before use
◈ Complex waterstop should be fixed in right place during concreting

Customer Service
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