

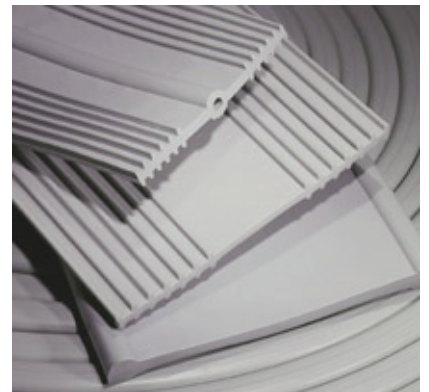


KANTA SYSTEM OF PVC WATER STOP
BUREAU OF INDIAN STANDARD IS 15058: 2002
{EXPANSION/CONTRACTION & CONSTRUCTION JOINT SEAL}

KANTA SYSTEM of PVC Water stop is an extruded profile, made out of elastomeric plastic compound; the basic resin is Virgin Poly Vinyl Chloride (PVC).

The compound contains additional resins, plasticizers, inhibitors, and any other materials needed to ensure that the finished extruded product called as PVC Water stop to meet the specification of Bureau of Indian Standard 12200 – 1987 (latter revised to IS 15058: 2002) and Central Water Commission.

KANTA SYSTEM of PVC Water Stop is used in Construction joint of RCC hydro structure to arrest the water seepage.



It is also used in expansion/contraction joint to take care of deflection or displacement due to thermal variation or settlement of foundation.

KANTA SYSTEM water stop is also acting as a sealing material in expansion/ construction joints.

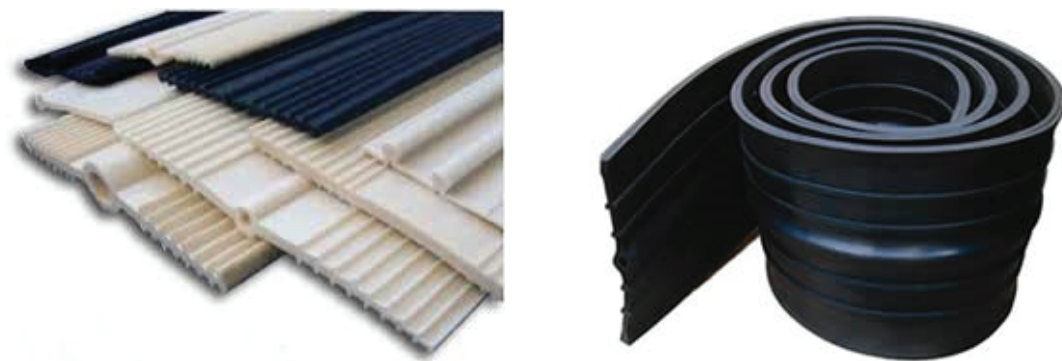
There are many designs & dimensions of the water stop is made by the KANTAFLEX INDIA PVT LIMITED depends on the place & position where it is placed and the thickness is calculated based on hydro static water pressure capacity of the retainer structure

KANTA SYSTEM of PVC Water stop is manufactured with central bulb and without central bulb. To use in Construction joints, the water stop is designed with ribs on either side to have better grips in concrete, as well as to reduce the movements of water seepage.




Kicker type surface water stop also used in construction joints, to avoid reinforcement congestion, but to be placed them externally. This type of surface water stop is also used for movement joints, but to be designed with central bulb.







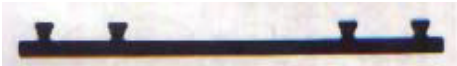



To use in contraction joints, the water stop is designed in such manner that there shall no ribs, but the central bulb to be provided with end grips. This type of water stop is called as Dumb bell design water stop.

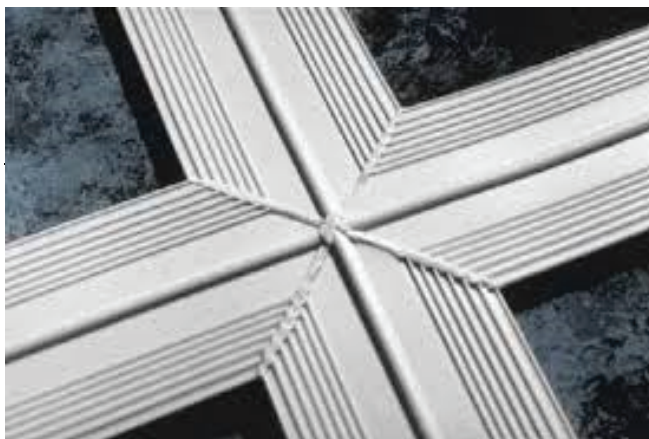
Some of the cross sectional drawings with prices are shown in next page for easy references, and to have choice for selecting the water stop to the exact need.



CROSS SECTIONS OF KANTA SYSTEM OF PVC WATERSTOP

CODE No	Type	DESIGN OF THE WATER STOPS	DETAIL & DIMENSION	PRESSURE water col.
KSW-101	150 H		Ribbed design with central Bulb, 150 Width X 8mm / 10MM thickness	38 – 40 M
KSW-102	150 M		Ribbed design with central Bulb, 150 Width X 5MM / 6MM thickness	30 – 33 M
KSW-103	200 M		Ribbed design with central Bulb, 200 Width X 5mm / 6MM thickness	30 – 33 M

KSW-104	230 M		Ribbed design with central Bulb, 225 Width X 5mm / 6MM thickness	30 – 33 M
KSW-105	230 H		Ribbed design with central Bulb, 225 Width X 8mm / 10MM thickness	38 – 40 M
KSW-106	250 H		Ribbed design with central Bulb, 250 Width X 10mm thickness	40 – 45 M
KSW-107	300 H		Ribbed design with central Bulb, 300 Width X 10mm thickness	45 – 50 M
KSW-108	180 D		Dumbbell design with central bulb 180 Width X 8mm thickness	36 – 38 M
KSW-109	225 KE		Kicker Type with central Bulb, 225 Width X 5mm thickness	32 – 33 M
KSW-110	225 KD		Kicker Type without central Bulb, 225 Width X 5mm thickness	32 – 33 M
KSW-111	300 KD		Kicker Type without central Bulb, 300 Width X 5mm thickness	32 – 33 M
KSW-112	200 RS		Ribbed design w/o central Bulb, 200 Width X 5mm thickness	32 – 33 M
KSW-113	240 RS		Ribbed design w/o central Bulb, 240 Width X 5mm thickness	32 – 33 M



PROPERTIES OF PVC WATER STOP

S. NO:	NATURE OF THE PROPERTIES	UNIT	VALUE
1	Tensile Strength at break	MPa	13.80, Minimum
2	Elongation at break	%	285, Minimum
3	Hardness	Shore A	65, Minimum
4	Water absorption, by mass	%	0.6, Maximum
5	Cold bend temperature	Deg. in C	- 25, Minimum
6	Accelerated Extraction		
(a)	Tensile Strength at break	MPa	10.30, Minimum
(b)	Elongation at break	%	280, Minimum
7	Effects of alkalis – 7 days		
(a)	Weight increase	%	0.25, Maximum
(b)	Weight decrease	%	0.10, Maximum
(c)	Hardness change	Deg. in C	+/- 5
8	Effects of alkalis – 28 days		
(a)	Weight increase	%	0.40, Maximum
(b)	Weight decrease	%	0.30, Maximum
(c)	Dimensional change	%	+/- 1

