

TOAM CONCRETE CATALOGUE

- Specialized Manufacturer of Eco-friendly Concrete



About TOAM CONCRETE

TOAM CONCRETE takes full responsibility for your concrete products!

1. We research to produce eco-friendly products and improve quality. TOAM CONCRETE produces eco-friendly products using strictly selected aggregates and cement. All of our employees will continue to research with the goal of constantly producing eco-friendly products.

2. We will provide trust in our products. Through continuous product development and effort, we have acquired KS Certification, Group Standards Certification, Direct Production Confirmation, Environmental Certification, and Concrete Patents. We are confident in our products. Please trust us with your business.

CEO : Kim, Yi-sook



History of Toam Concrete

"Stronger & Greener: The standard for eco-friendly concrete, crafted by patented technology." Beyond being a mere construction material, we provide eco-solutions that coexist with nature. We've added sustainable value to the inherent strength of concrete.



2025

Certified Quality and Standards | Established Since 2016



2024

Dec. Obtained ESG Excellent Small and Medium Enterprise (SME) Certification

Oct. Registered Patent No. 10-2721744

Oct. Obtained ISO 14001:2015 Environmental Management System Certification

Aug. Registered Patent No. 10-2696785

Jun. Obtained Eco-Label Certification

2022

Oct. Expanded Ready-Mixed Concrete (RMC) production facility (\$210m³/hr\$, 1 unit) – Total production capacity: \$300m³/hr\$, 2 units

Oct. Installed additional Waste Concrete Recycling System (1 unit)

2020

Mar. 18 Obtained Direct Production Certificate Feb. 28
Obtained Group Standard Product Certificate Feb. 05
Obtained Group Standard Mark Certification for Reinforced Concrete Irrigation and Drainage Pipes
Jan. 08 Established Toam Concrete Co., Ltd.
(Comprehensive Business Transfer and Acquisition)

2017

Dec. 15 Obtained KS (Korean Industrial Standards) Mark Certification

2016

Dec. Commenced production of Ready-Mixed Concrete (RMC) and Bench Flume Pipes

Aug. Established Ilseung Co., Ltd.

May Purchased land at Wolpyeong-ro and commenced civil works for automated machinery installation

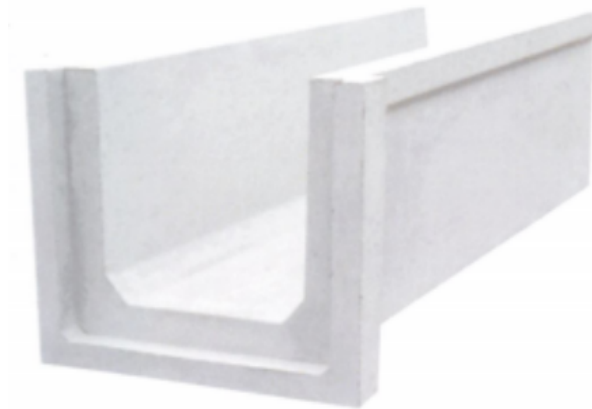


[주]토암콘크리트

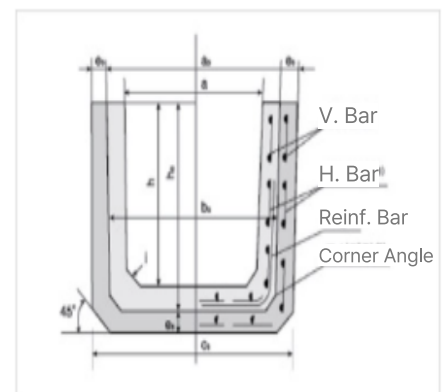
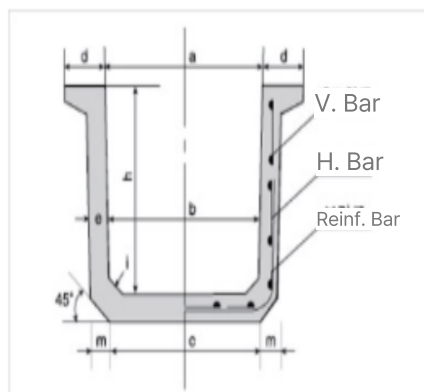
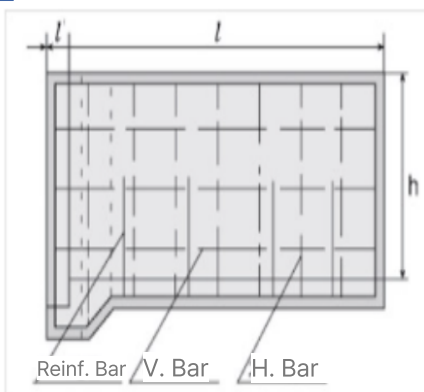
01. Reinforced Concrete Bench Flume

- Usage : Irrigation and drainage pipes for agricultural waterways.
- Function : Concrete products used mainly in factory sites or housing developments to collect rainwater connected to vehicle traffic and discharge it into sewers.
- Effective for supplying or draining large volumes of water.

Product Images



Exploded View



Specifications

Model	Central Dimensions													Socket Dimensions						Reinforcement			
	Inner Width			Bottom Width		Thickness			Depth		i	l	±	as (Min.)	cs (Min.)	ds (Min.)	es (Min.)	hs (Min.)	l (Min.)	V-Bar		H-Bar	
	a	b	±	c	m	d	d	m	d	±										Ø	Qty. (ea)	Ø	Qty. (ea)
200	200	185	±3	225	20	60	40	±2	200	±2	30	2000	±5	295	360	280	40	240	50	4.0	9	4.0	16
300A	300	285		325					250		395			460	380	10							
300B				335							405			480	390		45	295					
300C	400	280	±4	340	20	70	50	±2	300	±2	40	2000	±5	415	495	395	50	350	530	12	5.0	20	
400A		380		440					515					595	495								
400B				370					450					350	525	615	505	55					405
400C	450	420			450	400	535	625	60		460												
450A				480	585		675	555															
450B				490	595		695	565	65		515												
500A	500	470	±5	530	30	80	60	+3 -2	400	±3	50	2000	±5	635	725	605	60	570	60	5.5	13	20	
500B				540					645		745			615	65	460							
500C				550					655		765			625	70	570							
600A	600	570		530	80	60	+3 -2	400	±3		50	2000	±5	735	825	705	60	460	5.5	18	20	24	
600B				650				755			865			725	70	570							
600C				660				765			885			735	80	780							
700	700	670	760	90	75	600	±5	80		865	985	835	75	675									
800A	800	770	860							965	1085	935											
800B			850					975		1105	945	80	780										
900A	900	860	940	100	80	+5 -2		700	±3	60	1075			1195	1035	85	885	70	6.0	23	26	28	
900B			950							1085	1215	1045											
1000A			1000							960	1050	105	85	800	60								1185
1000C	1000	960	±7	1050	40	110	90	±5		1000	±5	80	1185	1315	1145	90	1090	70	6.0	23	24		
1200B	1200	1140	1320	125	110	1000	80	1440		1600	1380	100	1110	70	23								
1500A	1500	1420	1560	130	110	1200	140	1720		1870	1660	110	1110	90	26								
1500B	1500	1420	1575	145	120	1200	140	1750	1900	1680	120	1310	90	28									

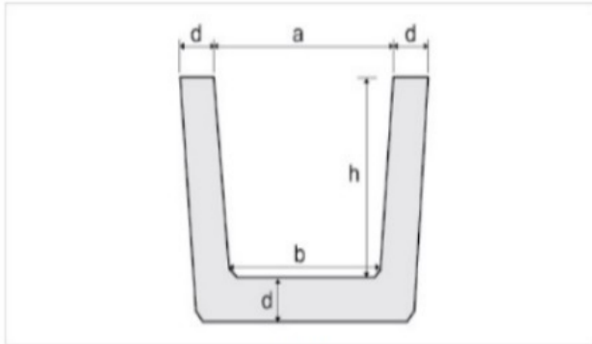
02. Environmental & Reinforced Water Channel

- Large-sized irrigation/drainage and side gutters compared to existing bench flumes.
- The connection socket is designed with Male/Female parts, resulting in a clean surface after installation.
- Used for medium-to-large agricultural drainage and ecological protection channels.

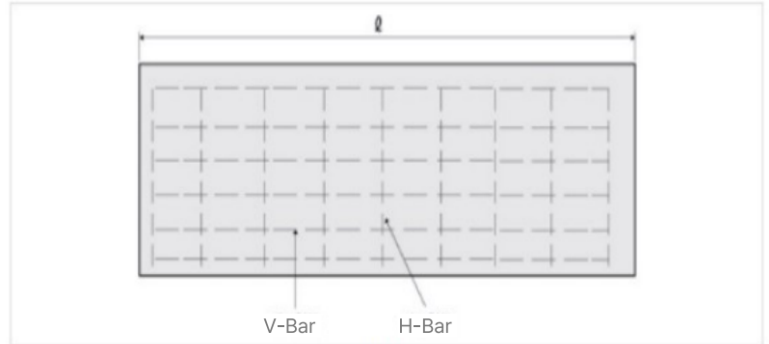
Product Images



Exploded View



Front View



Side View

Specifications

Model		Dimensions				V-Bar	H-Bar
		a	h	d	L	Ø(mm) x Qty	Ø(mm) x Qty
Eco-Water Channel	1000C	1000	1000	100 (Min.)	2000	6.0x24 (Min.)	6.0x23 (Min.)
	1200B	1200	1000	110 (Min.)		6.0x24 (Min.)	6.0x23 (Min.)
	1500C	1500	1500	120 (Min.)		6.0x24 (Min.)	6.0x32 (Min.)
	2000B	2000	1500	130 (Min.)		6.0x24 (Min.)	6.0x41 (Min.)
R.C. Channel	500C	500	500	75 (Min.)		5.0x20 (Min.)	5.0x12 (Min.)
	600C	600	600	95 (Min.)		5.5x20 (Min.)	5.5x12 (Min.)
	800B	800	700	95 (Min.)		6.0x20 (Min.)	5.5x20 (Min.)
	1000A	1000	800	110 (Min.)		6.0x24 (Min.)	6.0x23 (Min.)
	1000C	1000	1000	110 (Min.)		6.0x24 (Min.)	6.0x23 (Min.)
	1200B	1200	1000	120 (Min.)		6.0x24 (Min.)	6.0x23 (Min.)
	1500A	1500	1000	130 (Min.)		6.0x24 (Min.)	6.0x28 (Min.)
	1500C	1500	1500	130 (Min.)		6.0x24 (Min.)	6.0x28 (Min.)
	2000B	2000	1500	140 (Min.)		6.0x24 (Min.)	6.0x33 (Min.)

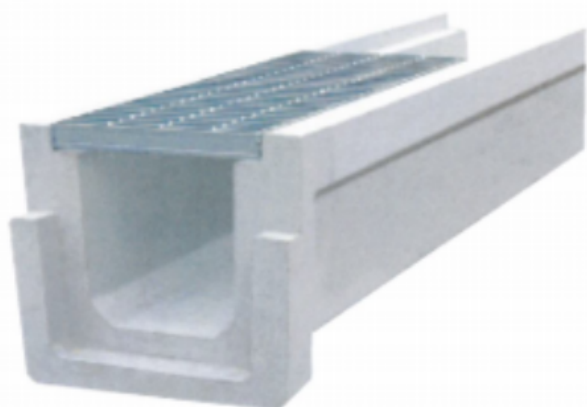
03. Side Gutter Water Channel(Type A)

- Irrigation and drainage deformed side gutter channels are divided according to the purpose of pedestrian or vehicle passage.
- Pedestrian Type (Angle Not Attached) / Roadway Type (Angle Attached).

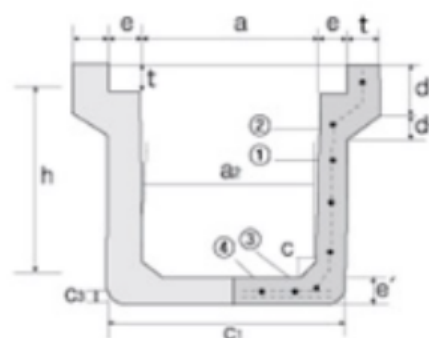
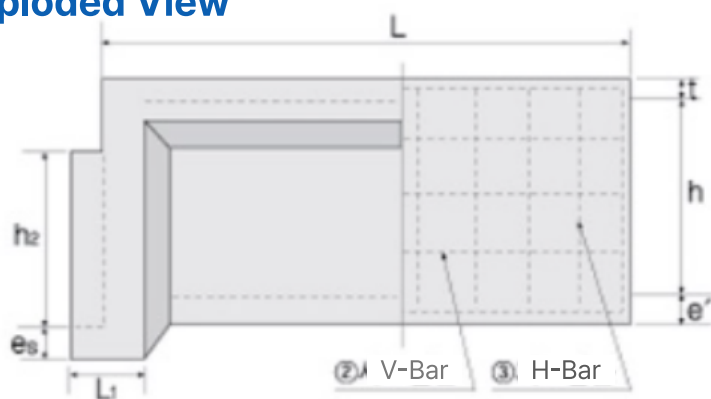
Side Gutter: Angle Attached / Not Attached (Type A)

- Usage:Used as drainage pipes for roads, parks, apartment complexes, and sports fields.
- Features:Excellent quality, easy installation and maintenance, and superior construction cost reduction. Can be used for desired purposes using grating or gutter lids.

Product Images



Exploded View

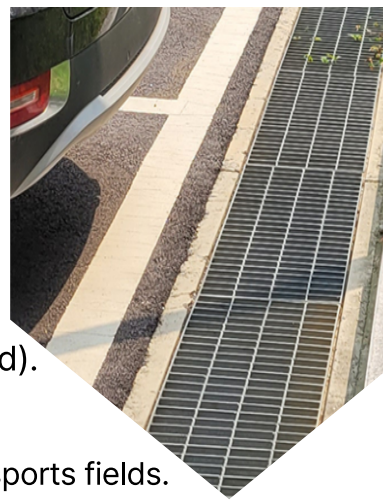


Specifications

Model	Width(a)	Dep.(h)	Thk.(t)	Length(L)	Weight(kg)	Grating Size / Spec
200	200	200	80, 120	2000	275	250X995X50
300	300	300	80, 120	2000	430	400X995X50
300	300	300	80, 120	2000	500	400X995X50
400	400	400	80, 120	2000	600	500X995X50
500	500	500	80, 120	2000	870	600X995X50

03. Side Gutter Water Channel(Type B)

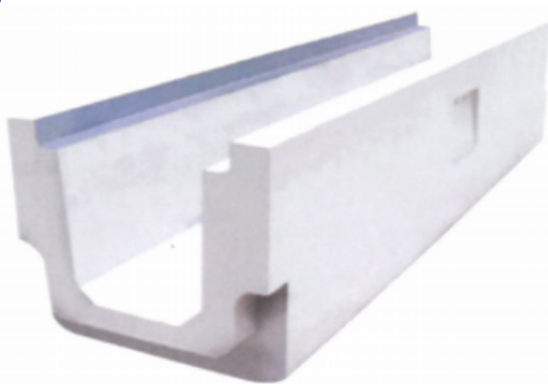
- Irrigation and drainage deformed side gutter channels are divided according to the purpose of pedestrian or vehicle passage.
- Pedestrian Type (Angle Not Attached) / Roadway Type (Angle Attached).



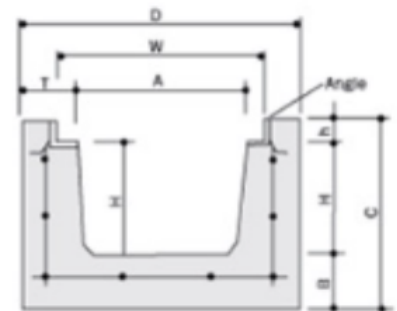
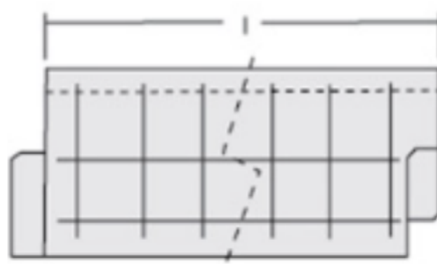
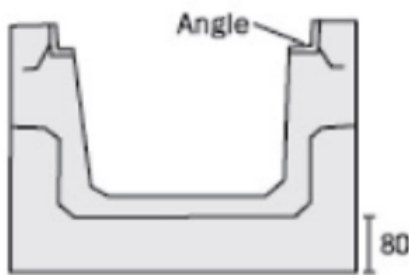
Side Gutter: Angle Attached / Not Attached (**Type B**)

- Usage: Used as drainage pipes for roads, parks, apartment complexes, and sports fields.
- Features: Excellent quality, easy installation and maintenance, and superior construction cost reduction. Can be used for desired purposes using grating or gutter lids.

Product Images



Exploded View



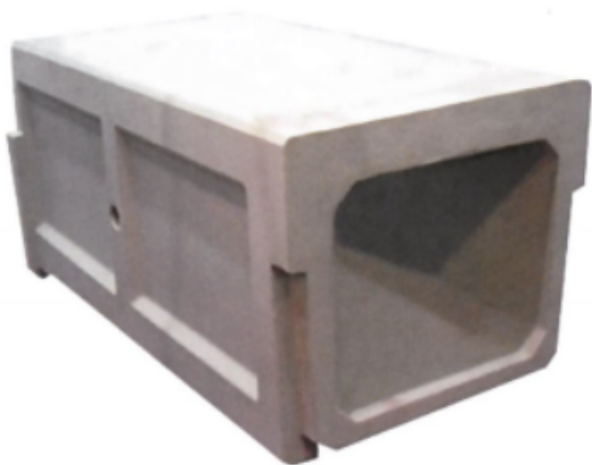
Specifications

Model	Width(a)	Dep.(h)	Thk.(t)	Length(L)	Weight(kg)	Grating Size / Spec
200	200	200	80, 120	2000	430	300X995X50
300	300	300	80, 120	2000	550	400X995X50
300	300	300	80, 120	2000	890	400X995X50
400	400	400	80, 120	2000	930	500X995X50
500	500	500	80, 120	2000	1300	600X995X50

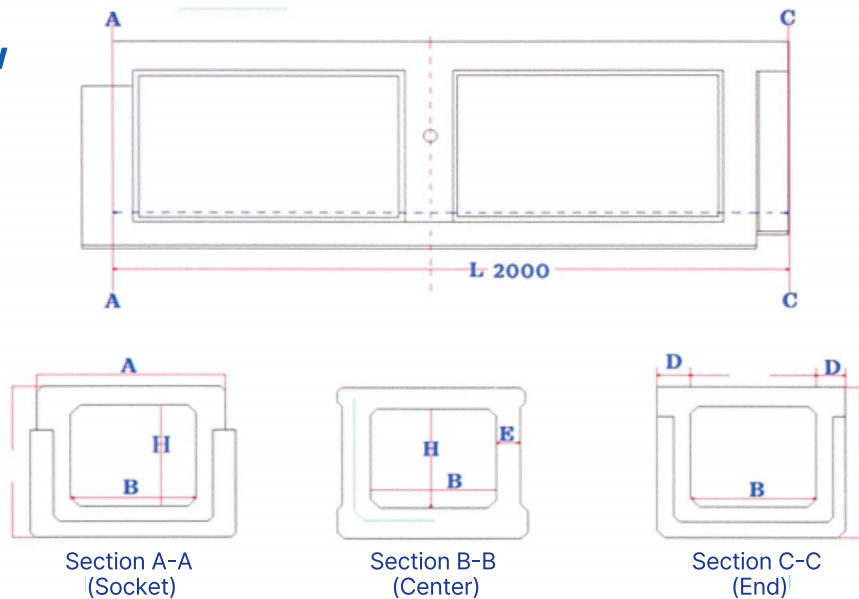
04. Crosswalk Water Channel (Crossing Drainage)

- Usage : Parking lots, road drainage, agricultural roads, access roads, and crosswalks.
- Features : Reduces construction time and connects simply with various channels like reinforced channels and bench flumes. It has no pushing/sliding phenomenon and strong durability, making it suitable for vehicle crossings.

Product Images



Exploded View



Specifications

Model	Socket Section				Center Section			End Section		
	Width(a)	Dep.(h)	Thk.(t)	Length(L)	Width(a)	Dep.(h)	Thk.(t)	Width(a)	Dep.(h)	Thk.(t)
500 x 500	500	500	120	2000	480	480	140	500	500	120
600 x 600	600	600	130	2000	580	580	150	600	600	130
800 x 700	800	700	140	2000	680	680	160	800	700	140
1000 x 1000	1000	1000	150	2000	980	980	170	1000	1000	150

05. Deformed Water Channel (Rectangular)

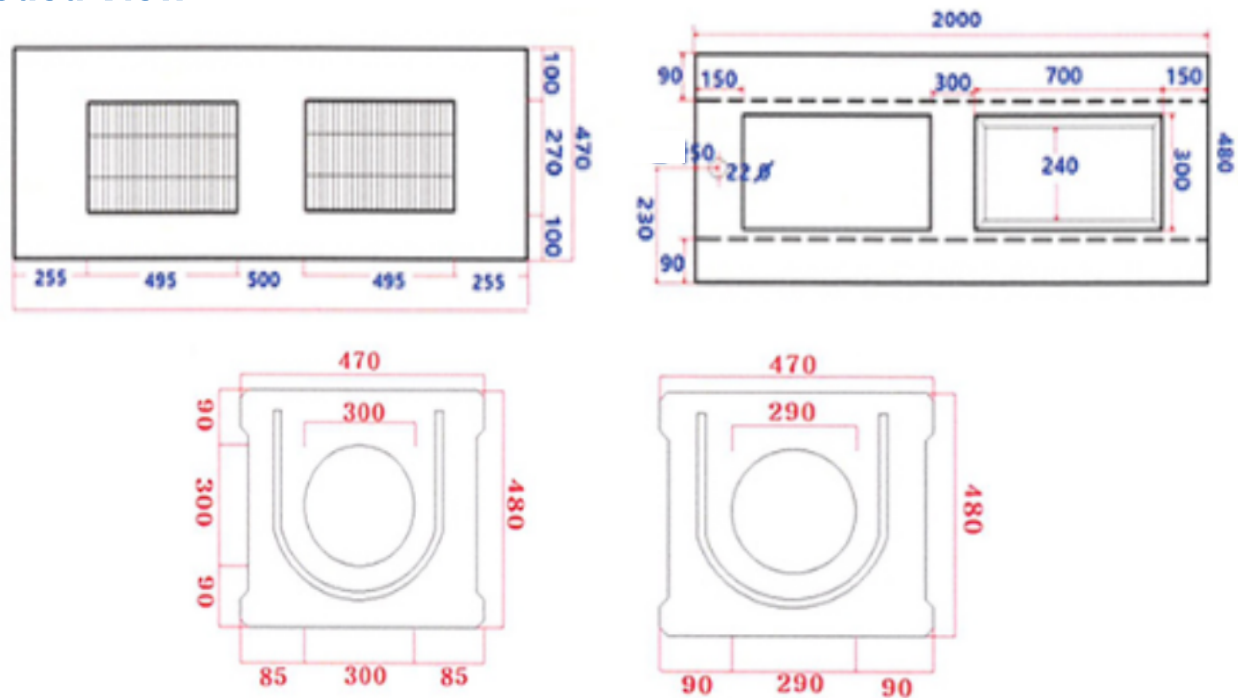
Rectangular Water Channel - 300 TYPE-D

- Usage: Suitable for parking lots and L-type gutters.
- Features: The circular inner diameter provides the advantage of faster flow velocity.

Product Images



Exploded View



Specifications

Model	Width	Height	Circ. Size	Length	Thickness
300	470	480	300Ø	2000	90

06. Ecological Water Channel

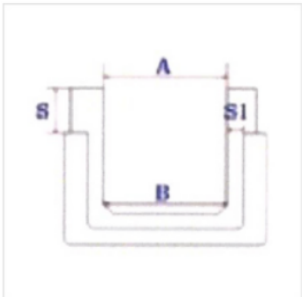
- Feature:A nature-friendly water channel with internal stairs formed to prevent living organisms from being trapped and dying, thereby minimizing ecological destruction.



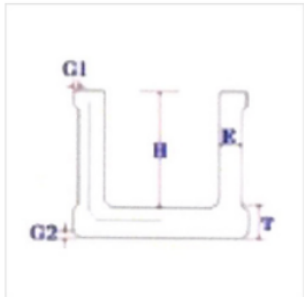
Product Images



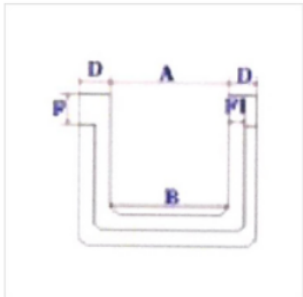
Exploded View



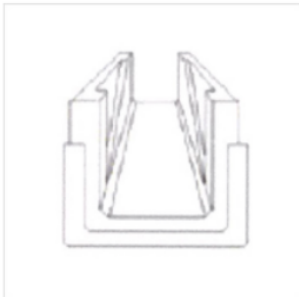
Socket Section



Center Section



End Section



Specifications

Model		Dimensions				V-Bar	H-Bar
		a	h	d	L	Ø(mm) x Qty	Ø(mm) x Qty
Eco-Channel	500C	500	500	75 (Min.)	2m	5.0x20 (Min.)	5.0x12 (Min.)
	600C	600	600	95 (Min.)		5.5x20 (Min.)	5.5x12 (Min.)
	800B	800	700	95 (Min.)		6.0x20 (Min.)	5.5x20 (Min.)
	1000C	1000	1000	110 (Min.)		6.0x24 (Min.)	6.0x23 (Min.)
	1200B	1200	1000	120 (Min.)		6.0x24 (Min.)	6.0x23 (Min.)
	1500A	1500	1000	130 (Min.)		6.0x24 (Min.)	6.0x23 (Min.)
	1500C	1500	1500	130 (Min.)		6.0x24 (Min.)	6.0x28 (Min.)
	2000B	2000	1500	140 (Min.)		6.0x24 (Min.)	6.0x33 (Min.)

Application Examples

Toam Concrete Case Study (Reinforced Water Channel)
: Optimized Durability and Drainage Efficiency



Excavator work for trenching



Site Preparation and Material Mobilization



Culvert Installation

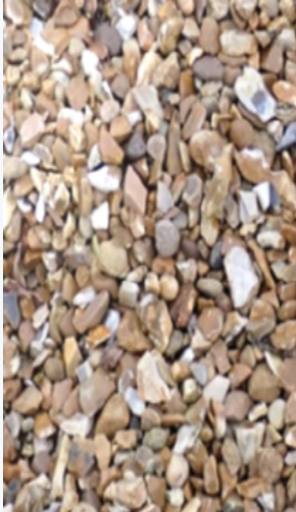


Patent-Based Eco-Friendly Technology

Toam Concrete maintains strict eco-friendly and high-quality standards throughout the entire process, from material intake to final shipment.



Environmentally Friendly Materials



[KEY POINT 01] Recycled Aggregate (25mm)

Definition: High-quality recycled aggregate selected from waste concrete generated during the demolition of construction structures.
Quality: Offers superior quality comparable to crushed natural stone.

Value: A sustainable alternative to depleting natural aggregates, benefiting from government incentive programs for recycled material usage.

[KEY POINT 02] Ground Granulated Blast-Furnace Slag (GGBS)

Source: A non-metallic byproduct naturally generated during the iron-making process.

Performance: Enhances the overall strength and long-term durability of concrete.

Environmental Impact: A core eco-friendly resource that reduces carbon emissions in the cement industry while significantly improving material performance.

[KEY POINT 03] Reduction of Cement Consumption

Resource Optimization: Reduces cement usage by incorporating 50% coarse recycled aggregates (25mm).

Strength Enhancement: Increases structural integrity and strength by adding slag powder (a high-performance pozzolanic material).

Slump & Workability Comparison

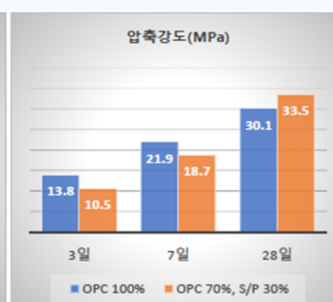
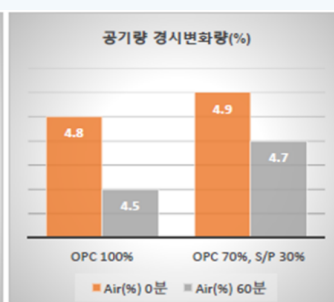
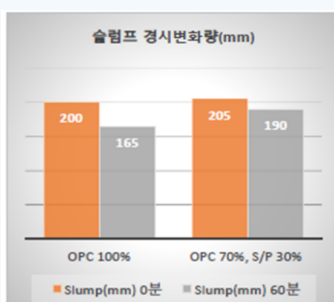
: Eco-Friendly Patented Mix Optimized Fluidity and Performance through Advanced Material Science



Baseline Slump Shape of Ordinary Portland Cement



70% OPC + 30% S/P (Slag Powder)



Certifications & Patents

"Our patents are the promise of quality, and our Eco-Label certification is the proof of our heart for a sustainable future."



Korean Industrial Standards Certificate



Certificate of Group Standard



Patent 10-2696785



Eco-Label Certified



Confirmation of Outstanding ESG Management



ISO 14001:2015



Patent 10-2721744



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