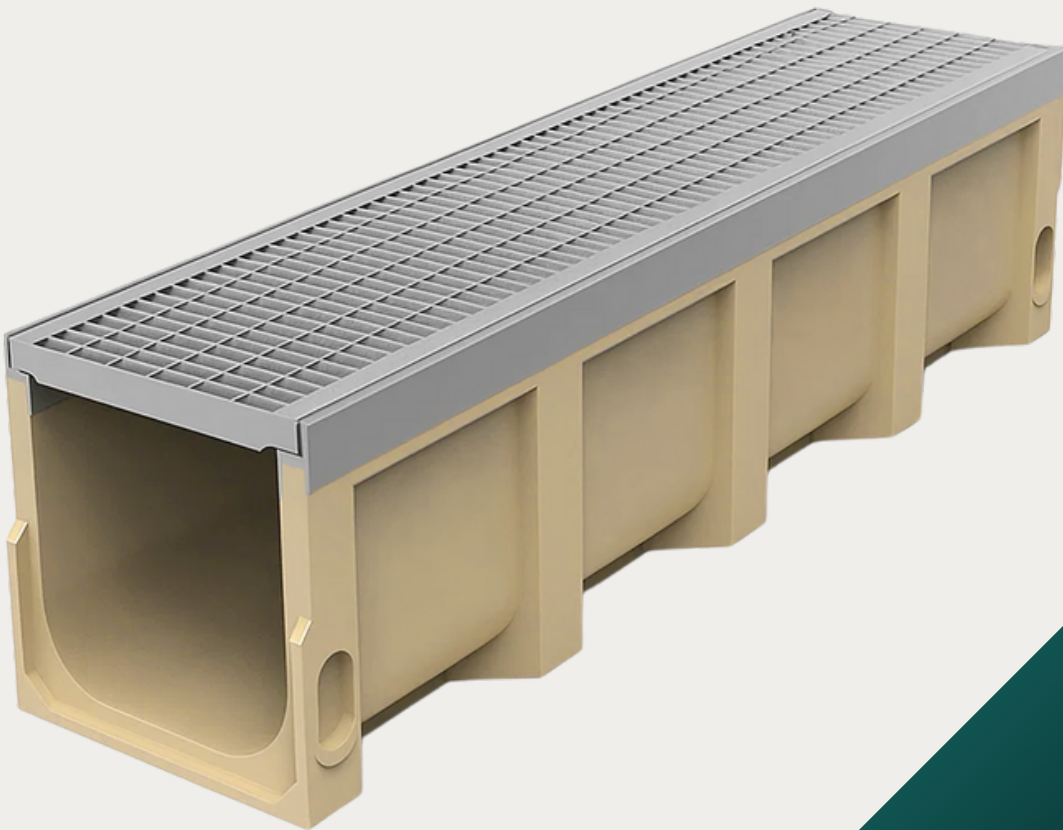


Drainage Channel

(Made of Resin Concrete)



About Us



40+

Years In Business

100+

Custom Solutions

200+

Government Units



Sid Wang

All Leader Founder

All Leader is a global leader in FRP composite materials, committed to providing high-quality, durable solutions for diverse industries. With years of expertise and a dedicated team, we deliver products that stand the test of time.

Why Choose Resin Concrete?



Corrosion & Chemical Resistance

Excellent resistance to acids, alkalis, and salts. Provides long service life in harsh environments like sewage plants and coastal areas.



High Strength & Lightweight

Higher compressive strength and lower weight than conventional concrete. Reduces structural loads and installation costs.



Precision Molding & Design

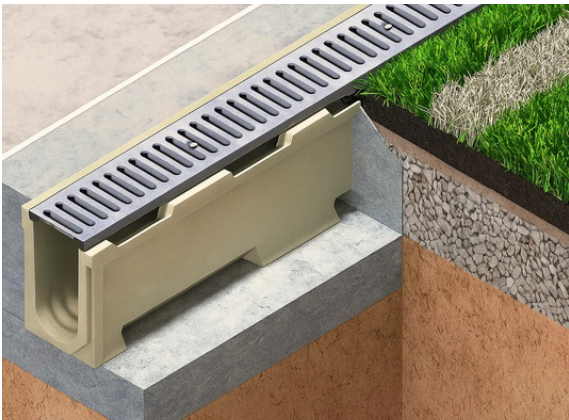
Precise molding creates smooth finishes and accurate dimensions. Ideal for gratings, covers, and aesthetic applications.



Environmental Benefits

Lower cement use reduces CO₂ emissions. High durability minimizes maintenance. Some products use recycled materials.

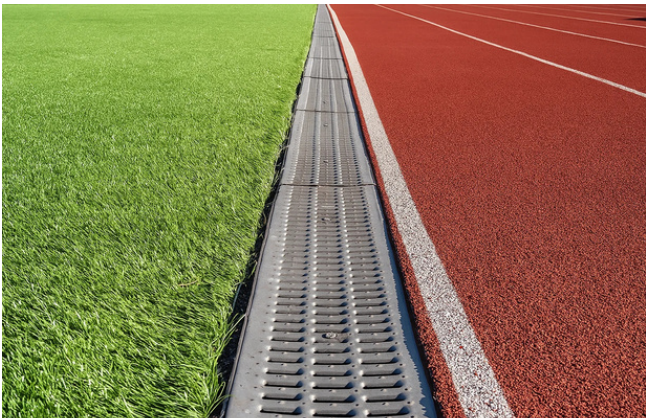
Standard Drain



Model	Channel Width(mm)	Channel Depth(mm)	Length(mm)	Bottom Width(mm)	Wall Thickness(mm)	Weight(kg)
SD-100	130	150	1000	100	15	25
SD-150	180	180	1000	150	15	35
SD-200	230	200	1000	200	20	55
SD-250	280	250	1000	250	20	72
SD-300	360	300	1000	300	30	95
SD-400	460	400	1000	400	30	135
SD-500	560	500	1000	500	30	180

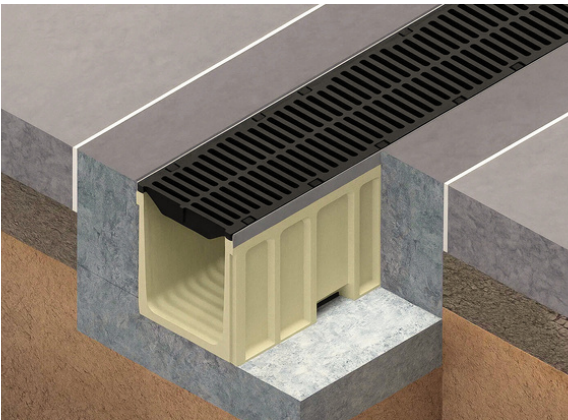
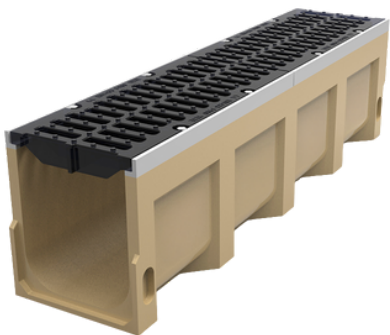
Load Rating	Application	Test Load	Safe Load	Applicable Model
A15	Pedestrian areas, gardens, light traffic zones	1.5 t	0.75 t	SD-100
B125	Parking areas, residential roads	12.5 t	6.25 t	SD-100, SD-150
C250	General roads, commercial areas	25 t	12.5 t	SD-150, SD-200, SD-250
D400	Main roads, heavy traffic areas	40 t	20 t	SD-200, SD-250, SD-300
E600	Heavy traffic roads, industrial areas	60 t	30 t	SD-300, SD-400
F900	Airport runways, port terminals	90 t	45 t	SD-400, SD-500

Application - Sports Fields



Application - Sidewalks

ForceDrain



Model	Channel Width(mm)	Channel Depth(mm)	Length(mm)	Bottom Width(mm)	Wall Thickness(mm)	Weight(kg)
FD-100	180	100	1000	100	20	38
FD-200	280	200	1000	200	25	95
FD-300	380	300	1000	300	30	165

Load Rating	Application	Test Load	Safe Load	Applicable Model
B125	Parking areas, residential roads	12.5 t	6.25 t	FD-100
C250	General roads, commercial areas	25 t	12.5 t	FD-100, FD-200
D400	Main roads, heavy traffic areas	40 t	20 t	FD-200, FD-300
E600	Heavy traffic roads, industrial areas	60 t	30 t	FD-300
F900	Airport runways, port terminals	90 t	45 t	FD-300

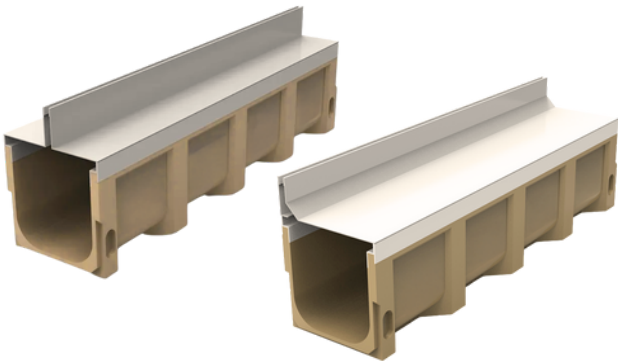
Application - Airport Taxiways



Application - Racing Circuits



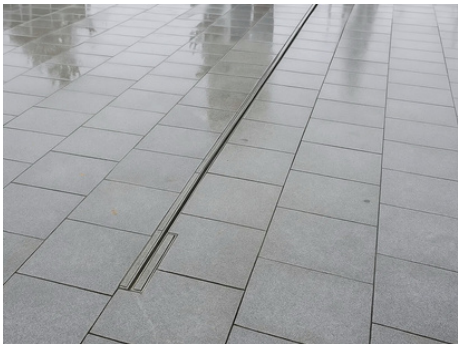
SlotDrain



Model	Channel Width (mm)	Channel Depth (mm)	Length (mm)	Bottom Width (mm)	Slot Width (mm)	Wall Thickness (mm)	Weight (kg)
SD-100 (Single Slot)	130	100	1000	100	12	15	25
DSD-100 (Double Slot Adjacent)	230	100	1000	200	12×2	15	45
DSD-200 (Double Slot Adjacent)	330	200	1000	300	15×2	20	85
TSD-200 (Double Slot Separated)	230	200	1000	200	10×2	18	72

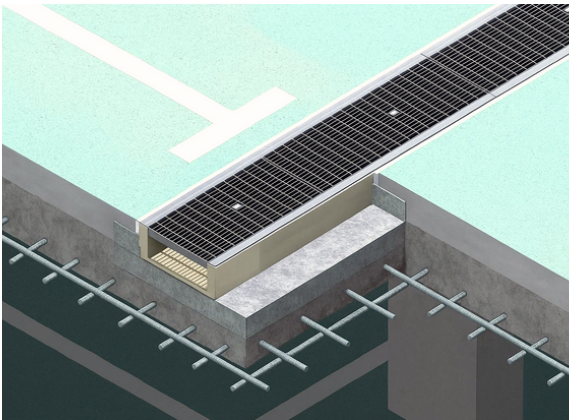
Load Rating	Application	Test Load	Safe Load	Applicable Model
A15	Pedestrian areas, gardens	1.5 t	0.75 t	SD-100
B125	Parking areas, light traffic roads	12.5 t	6.25 t	SD-100, DSD-100
C250	General roads, plazas	25 t	12.5 t	DSD-100/200, TSD-200
D400	Main roads, heavy traffic areas	40 t	20 t	DSD-200

Application - Urban Streets



Application - Plaza Flooring

PlateDrain



Model	Channel Width (mm)	Channel Depth (mm)	Length (mm)	Bottom Width (mm)	Plate Thickness (mm)	Side Wall Thickness (mm)	Weight (kg)
PD-100	150	100	1000	120	25	15	32
PD-200	250	200	1000	220	30	15	72
PD-300	350	300	1000	320	35	15	118

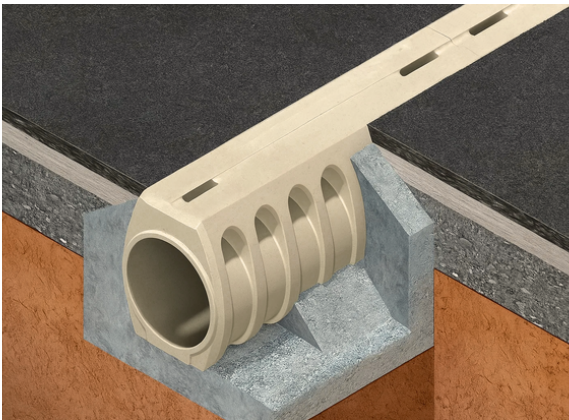
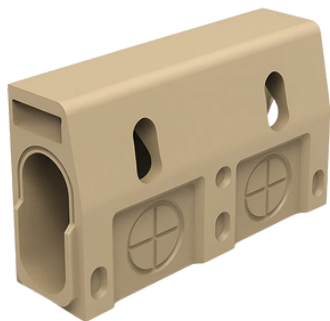
Load Rating	Application	Test Load	Safe Load	Applicable Model
B125	Parking areas, light traffic roads	12.5 t	6.25 t	PD-100
C250	General roads, plazas	25 t	12.5 t	PD-100, PD-200
D400	Main roads, heavy traffic areas	40 t	20 t	PD-200, PD-300
E600	Heavy traffic roads, industrial areas	60 t	30 t	PD-300

Application - Fountain Plazas



Application - Sidewalks

CurbDrain



Model	Total Width (mm)	Curb Height (mm)	Channel Depth (mm)	Length (mm)	Curb Width (mm)	Channel Width (mm)	Wall Thickness (kg)
CD-100	250	150	100	1000	150	100	18
CD-200SF	350	200	200	1000	150	200	25
CD-200SM	350	200	200	1000	150	200	25
CD-200B	350	200	200	1000	150	200	25

Load Rating	Application	Test Load	Safe Load	Applicable Model
D400	Main roads, heavy traffic areas	40 t	20 t	CD-100
D	International road standards	40 t	20 t	CD-200SF
D	International road standards	40 t	20 t	CD-200SM
D	International road standards	40 t	20 t	CD-200B

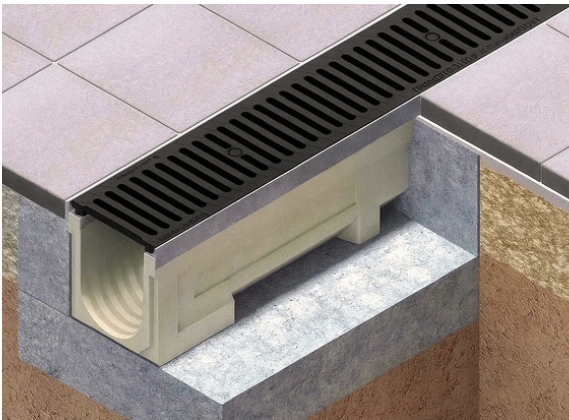
Application - Sidewalk Curbs



Application - Central Medians



RoadDrain



Model	Channel Width (mm)	Channel Depth (mm)	Length (mm)	Bottom Width (mm)	Wall Thickness (mm)	Reinforcement Rib Width(mm)	Weight (kg)
RD-200	280	200	1000	200	30	20	85
RD-300	380	300	1000	300	40	30	155

Load Rating	Application	Test Load	Fatigue Load	Applicable Model
D400	Main roads, general traffic	40 t	500,000 cycles	RD-200
E600	Highways, heavy traffic	60 t	1,000,000 cycles	RD-300



Application - Sidewalks

Application - Roadways



UrbanLeaf

Application - Sidewalks



Model	Length(mm)	Width(mm)	Thickness(mm)	Weight(kg)
UL-1215-15	1200	150	15	8.5
UL-1215-20	1200	150	20	10.2
UL-1218-15	1200	180	15	9.8
UL-1218-20	1200	180	20	11.5
UL-2415-15	2400	150	15	8.5
UL-2415-20	2400	150	20	10.2

Sound Absorption Coefficient Table (NRC Values)

Frequency(Hz)	UL-15mm Thick	UL-20mm Thick	Standard Value	Test Standard
125	0.15	0.20	≥0.15	ISO 354
250	0.45	0.55	≥0.40	ISO 354
500	0.80	0.88	≥0.75	ISO 354
1000	0.92	0.95	≥0.85	ISO 354
2000	0.88	0.92	≥0.80	ISO 354
4000	0.75	0.82	≥0.70	ISO 354
NRC	0.75	0.83	≥0.70	Average



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