



WHY DREXUS XL?

HIGH CAPACITY DRAINAGE SYSTEM

Marshalls Drexus XL is a polyethylene high capacity drainage channel, suited to heavy duty projects covering any load class from busy service yards, rail & docking ports or airports with severe dynamic transport loading to motorways and commercial outlets.

The high capacity system is designed to offer attenuation and storage facilities as well as eliminating a high volume of storm water, whilst achieving sufficient flow velocities at low gradient to ensure that the channels require minimal maintenance.





- One of the highest flow capacity system on the market
- Reduced post-installation maintenance
- Extensive applications •
- Robust system
- Complies with BS EN 1433:2002
- Sufficient flow velocities can be achieved at low gradient to promote self cleansing
- Straightforward to install •
- 5 different channel depths .
- High attenuation capacity
- Simple detailing
- One-piece channel design with quick and easy installation •
- In-house design service for individual project requirements - see over

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Female and male connection to provide ease and speed of installation	Slot cap protectors provided for an easy surface finish upon install	Divergent inlet apertures for ease of maintenance	Apertures positioned at 45° for greater inlet capacity	Apertures spaced adequately to allow rebar constructions	Wing fastenings provide a secure and strong connection to adjacent channels	Channel body ribs allows the unit to key into the haunch creating a strong and rigid installation	3 V-shaped feet per unit aids with stability and levelling on the bedding material	Channel is available in 2m lengths to reduce time of installation on site	V-shaped channel improves the speed of water providing self cleansing	CE certified to F900 loading BS EN 1433:2002	Sealant ring is provided for an easy water tight installation	<b>Marshalls</b> Creating Better Spaces



HIGH CAPACITY DRAINAGE SYSTEM



А	CONSTANT	ONSTANT DEPTH CHANNEL							
Constant Depth Channel	Loading	Length (mm)	Width (mm)	Invert Width (mm)	Depth (mm)	Invert Depth (mm)	Unit Weight (kg)	In-situ Top	
325	B125 - F900	2000	300	188	585	505	13	DR537010	
425	B125 - F900	2000	483	319	723	648	20	DR537020	
525	B125 - F900	2000	543	379	813	738	23	DR537030	
675	B125 - F900	2000	644	482	949	878	27	DR537040	
825	B125 - F900	2000	707	586	1106	1036	32	DR537050	

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В	TRANSITION CHANNELS							
Transition	Channels	Length (mm)	Width (mm)	Invert Width (mm)	Depth (mm)	Invert Depth (mm)	Unit Weight (kg)	In-situ Top
425-325 F-N	N	478	489/300	322/214	542/348	463/292	3.25	DR538110
525-425 F-M		478	543/489	379/322	592/542	527/463	4.5	DR538120
675-525 F-M		478	644/543	476/379	732/592	664/527	5.8	DR538130
825-675 F-M		478	706/644	582/476	890/732	821/664	7.5	DR538140
325-425 M-F		478	300/489	214/322	348/542	292/463	3.5	DR538010
425-525 M-F		478	543/489	322/379	542/592	463/527	4.6	DR538020
525-675 M-F		478	543/644	379/476	592/732	527/664	5.9	DR538030
675-825 M-F		478	644/706	476/582	732/890	664/821	7.6	DR538040

Drexus XL with reference numbers indicated in **bold** black are available ex-stock. Drexus XL with reference numbers indicated in light are manufactured to order. Contact our sales office to discuss your requrements.

## C END CAP/

End Cap/Cap Outlets
325 End Cap
425 End Cap
525 End Cap
675 End Cap
825 End Cap
325 Cap Outlet - M
425 Cap Outlet - M
525 Cap Outlet - M
675 Cap Outlet - M
825 Cap Outlet - M
325 Cap Outlet - F
425 Cap Outlet - F
525 Cap Outlet - F
675 Cap Outlet - F
825 Cap Outlet - F

D	OUTFALLS ACCESSORIES		
Outfall	Accessories	Unit Weight (kg)	Item Code
325 AC	Connector - RH	2.6	DR538410
425 AC	Connector - RH	3.9	DR538420
525 AC	Connector - RH	5	DR538430
675 AC	Connector - RH	7	DR538440
825 AC	Connector - RH	9	DR538450
325 AC	Connector - LH	2.5	DR538510
425 AC	Connector - LH	3.9	DR538520
525 AC	Connector - LH	4.9	DR538530
675 AC	Connector - LH	6.9	DR538540
825 AC	Connector - LH	9	DR538550v
325 - 52	25 Access Chamber	11.5	DR538905
675 - 82	25 Access Chamber	15	DR538920
Univers	al Access Cover	159	DR538930
Univers	al Silt Chamber	8.5	DR538915



CAP OUTLETS		
	Unit Weight (kg)	Item Code
	1	DR537910
	2.5	DR537920
	3	DR537930
	4.5	DR537940
	5.5	DR537950
	1.9	DR5379550
	3.1	DR5379560
	4.2	DR5379570
	5.8	DR5379580
	9.4	DR5379590
	2.0	DR5379600
	3.3	DR5379610
	4.4	DR5379620
	6.0	DR5379630
	9.7	DR5379640



# WEDNESBURY DISTRIBUTION CENTRE Water Management Case Study









### **CONTRACTORS:**

TSL (Main Contractor) Advance Construction Scotland (sub-contractor)

#### ENGINEER:

MJMC (Client Engineer), PEP (Contractors Engineer)

**MARSHALLS PRODUCTS USED:** Mini Beany, Drexus XL

#### OUTCOME

The new 450,000sq ft distribution centre scheme was designed using a combination of Drexus XL and Mini Beany in order to achieve the BREEAM benchmark of 'excellent' with high energy and water efficiency.

The site, measuring the equivalent of six professional football pitches, required a robust, high capacity and high loading drainage system which could withstand a high volume of water and heavy vehicle overrun.

Marshalls value engineered the original design using Drexus XL as it enabled a more cost effective install in terms of speed, but more importantly a high inlet and hydraulic capacity.

Drexus XL provides 38% more slot inlet area than an equivalent straight slot assuming the same width. On the 440m of Drexus XL used on this project, this equates to 615m of inlet slot; this extra 175m of slot provides both interception and ongoing maintenance benefits for the client.



#### **Marshalls 360 Designed Around You**

Marshalls 360 brings together our design, technical, engineering and consultancy expertise to offer you a project support programme like no other.

To find out how you could benefit, visit marshalls.co.uk/360 or speak to a member of our team today on 0370 442 7702



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