Marshalls’ Drexus Pave Drain has the unique ability to provide a cost effective yet aesthetically pleasing drainage solution. A customisable top allows for the product to be suited to any environment with a choice of either concrete or natural stone.

The Pave Drain concept offers a natural stone or concrete upper section that incorporates innovative drainage slots sitting above a concrete channel allowing surface water to drain away effectively below the surface of the walkway. Drexus Pave Drain has the potential to play a game-changing effect below the surface of the walkway.

Once installed Drexus Pave Drain has the capacity of the system. Transition channels are 1000mm long.

Drexus Pave Drain with reference numbers indicated in light are manufactured to order. Drexus Pave Drain with reference numbers indicated in bold are supplied to stock. Transitions are available with standard transition lengths, please contact our sales office to discuss your requirements.

Drexus Pave Drain Channels are available with standard transitions. Transitions channel increases drainage capacity and allows for connecting pump out and easily connecting to existing drainage systems. For an easy installation concealment provided under the channel.

Channel 20/0 1000 160 100 254 204 69 DR541055
Channel 15/0 1000 160 100 229 179 61 DR541045
Channel 10/0 1000 160 100 204 154 53
Channel 5/0 1000 160 100 179 129 45
Channel 0/0 1000 160 100 154 104 37
Channel 5/0 500 160 100 179 129 45
Channel 10/0 - 15/0 1000 160 100 204/229 154/179 46 DR542130
Channel 15/0 - 20/0 1000 160 100 229/254 179/204 50 DR542140
Channel 20/0 500 160 100 254 204 34.5 DR541555
Channel 15/0 500 160 100 229 179 30.5 DR541545
Channel 10/0 500 160 100 204 154 26.5 DR541535
Channel 5/0 500 160 100 179 129 22.5 DR541525

A FOR TIPS

1. Transitions channel increases drainage capacity
2. Allows for connecting pump out systems
3. Easily connect to existing drainage systems
4. Provides concealment under the channel
5. Standard transition lengths available

B FOR CHANNEL TRANSITIONS

1. Horizontal Slot
2. Vertical Slot
3. Invert
4.симметричный опирания
5. Установка на поверхность
6. Установка на поверхность
7. Установка на поверхность
8. Установка на поверхность

C FOR CHAIN CEMENTS

1. Доломит/Кальций 400 300 200 100 254 204 15 DR541510
2. Доломит/Кальций 250 300 200 100 229 179 10 DR541520
3. Доломит/Кальций 200 300 200 100 204 154 5 DR541530
4. Доломит/Кальций 150 300 200 100 179 129 4 DR541540
5. Доломит/Кальций 100 300 200 100 154 104 2 DR541550

D FOR END CAPS

1. End Cap 20/0 1.8 DR543250
2. End Cap 15/0 1.6 DR543240
3. End Cap 10/0 1.4 DR543230
4. End Cap 5/0 1.2 DR543220
5. End Cap 0/0 1 DR543210

E FOR OUTFALL & ACCESS COVERS

1. Outfall Acess Cover (Nat Stone) 12 DR544770
2. Outfall Acess Cover (Nat Stone) 10 DR544765
3. End Outfall 101 DR543505
4. End Outfall 137 DR543020
5. Cap Outlet 20/0 1.8 DR543545
6. Cap Outlet 15/0 1.6 DR543535
7. Cap Outlet 10/0 1.4 DR543525
8. Cap Outlet 5/0 1.2 DR543515
9. Cap Outlet 0/0 1 DR543505

F FOR JOINT CHANNELS

1. Junction Channel 20/0 LH 19 DR543760
2. Junction Channel 20/0 RH 19 DR543765
3. Junction Channel 15/0 LH 35 DR543770
4. Junction Channel 15/0 RH 35 DR543775
5. Junction Channel 10/0 RH 27 DR543760
6. Junction Channel 10/0 LH 27 DR543765
7. Junction Channel 10/0 19 DR543760
8. Junction Channel 10/0 19 DR543765

G FOR RESTRICTED CHANNELS

1. Restricted Channel 45 DR541510
2. Restricted Channel 45 DR541520
3. Restricted Channel 45 DR541530
4. Restricted Channel 45 DR541540
5. Restricted Channel 45 DR541550

H FOR OUTFALL & ACCESS COVERS

1. Outfall Acess Cover (Nat Stone) 12 DR544770
2. Outfall Acess Cover (Nat Stone) 10 DR544765
3. End Outfall 101 DR543505
4. End Outfall 137 DR543020
5. Cap Outlet 20/0 1.8 DR543545
6. Cap Outlet 15/0 1.6 DR543535
7. Cap Outlet 10/0 1.4 DR543525
8. Cap Outlet 5/0 1.2 DR543515
9. Cap Outlet 0/0 1 DR543505

Junction channels are available with standard transitions. Transition Channel increases drainage capacity and allows for connecting pump out systems. Please contact our sales office to discuss your requirements.
DERRIFORD HOSPITAL INTERCHANGE
Water Management Case Study

BACKGROUND
The road outside Derriford Hospital has been widened to allow buses to travel in both directions, helping to reduce congestion outside the main entrance and making bus journeys to and from the hospital quicker and more reliable. The scheme will provide better waiting areas for bus and taxi passengers and those getting dropped off or picked up by car, four additional bus stops will be installed, and footpaths widened to provide more space for waiting passengers.

Developed in partnership with Plymouth Hospitals NHS Trust, the scheme cost just over £2 million and was part funded through the heart of the South West Local Enterprise Partnership (LEP).

The Derriford Hospital Interchange scheme is part of a master plan of highway improvements on and around the city’s ‘northern corridor’, connecting with the new Marjon Link Road and complementing other initiatives such as the Derriford Transport Scheme, where construction has just got under way.

APPROACH
A cost effective lifetime cost was the key aspect of the project, along with a robust system which would never need to be replaced as there is a high level of trafficking within the area; Derriford hospital is Plymouth’s 2nd busiest bus interchange, and the constant bus overrun meant a high loading drainage solution was crucial.

Pave Drain was chosen as it provides a cost-effective solution, which is robust enough to withstand frequent heavy vehicle overrun. Even with the heavy trafficking, the system will never need to be replaced keeping the lifetime costs extremely low.

Through Marshalls’ concrete expertise and heritage in natural stone, Pave Drain was developed to complement our most popular paving products.

By having a coordinating top unit, the drainage can blend seamlessly with the surrounding paving, with no need to break up the overall aesthetic with a traditional grated solution, whilst also retaining an excellent inlet and loading capacity.

Amey utilised Marshalls’ complimentary design service for the drainage packaging of the scheme which ensured a fast turnaround. This was important as the scheme was delayed by 3-4 months before construction works could proceed, which affected travel in the surrounding area, so speed of construction was essential.

OUTCOME
Marshalls was ultimately able to deliver a drainage solution which is tough enough to withstand the heavy traffic throughout its lifetime.

Marshall is committed to ensuring that the right system is selected, detailed, delivered and installed. The underlying belief that the right selection of linear drainage systems is critical to the longevity of any hard landscaping project. A cost effective system which is easy to maintain and which has been designed in partnership with the specific, engineer and contractor to become an integral part of the design process, helping to transform and deliver excellent technical specification designs matched to the individual project requirements to great build quality and speed.

In-house Design Support Services
No matter how simple or complex your Drainage Team can provide realistic and rapid solutions to your design needs.

THE DESIGN TEAM WILL:
• Work with the project team to ensure the client’s expectations are met
• Operate with either electronic (CAD) or hard copy drawings
• Assist in the selection of the most appropriate system
• Provide hydraulic data to support the adequacy of the selected system
• Provide schedule and/or layouts of the components as appropriate

IN-HOUSE DESIGN SUPPORT SERVICES
By use of our bespoke computer software the Design Team can plan realistic and rapid solutions to your drainage needs.

THE DESIGN TEAM WILL:
• Work with the project team to ensure the client’s expectations are met
• Operate with either electronic (CAD) or hard copy drawings
• Assist in the selection of the most appropriate system
• Provide hydraulic data to support the adequacy of the selected system
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“Our everyday goal is simple – Support the customer’s performance and aesthetic design aspirations with a Commercial driven, value added Design support service, excelling through computer aided drawings, engineered solutions and technical advice”

Simon Waudby – Marshalls Design Manager

www.marshalls.co.uk/watermanagement

Marshalls Driving Value Through Design

COST
PERFORMANCE
AESTHETIC

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