Marshalls
Creating Better Spaces

Landscape House, Premier Way,
Lowfields Business Park,
Elland HX5 9HT
Tel: 03704 11 22 33
https://www.marshalls.co.uk/commercial

T: 01422 312000
F: 01422 312943
E: services.advisory@marshalls.co.uk

Birco 300

Date Created: 07/02/19

marshalls birco 300

Marshall's Birco 300 is specially designed for use in projects with abnormally heavy loads, including ports or aircraft depot paving.

Manufactured from superior pre-cast concrete, Birco 300 boasts heavy-grade rolled galvanised steel angles at the top of its channel walls to provide superior strength in heavy loading applications.

Cast iron grating secured by stainless steel bolts that fit into threaded steel sockets cast into the channel wall, allow Birco 300 to bear loads up to F900.

A high-capacity linear drainage system, offering increased flow capacity, Birco 300 delivers the strength and durability required for high traffic areas.

DESCRIPTION	
Manufacturing Process	Semi dry pressed & vibrated concrete
Base Raw Material	Concrete
Governing Manufacturing Standards	All data where relevant to be established in accordance with BS EN 1433 : 2002
CE Marking/DOP	https://www.marshalls.co.uk/dop
NBS Specification	Q10 180

bsi. ISO 14001 Environmental Management

bsi. ISO 45001 Occupational Health and Safety Management

bsi. ISO 9001 Quality Management

nbsPlus

kg CO₂ per m²

AWARDED FOR QUALITY, RELIABILITY, DISTINCTION Superbrands 2017

UN GLOBAL COMPACT WE SUPPORT

BES 6001 Responsible Sourcing www.greenbooklive.com

Marshalls
Creating Better Spaces

Landscape House, Premier Way,
Lowfields Business Park,
Elland HX5 9HT
Tel: 03704 11 22 33
https://www.marshalls.co.uk/commercial

T: 01422 312000
F: 01422 312943
E: services.advisory@marshalls.co.uk

Birco 300

Date Created: 07/02/19

PHYSICAL PROPERTIES

Work Dimensions (mm)	1000 x 450 x 470
Apparent Density	2300 kg/m³ (typically)
Water Absorption (%)	6.5% maximum
Water Tightness	Meets the requirements of the standard.

SPECIFICATION

Approx unit weight (kg)	228 kg (excluding grate)
Emission of Asbestos	No content
Reaction to fire	Class A1, see commission decision 2000/605/EC

APPLICATION

Application	Suitable for all locations as described in BS EN 1433 : 2002 for load classification F900
Suitability	A high-capacity linear drainage system, offering increased flow capacity, Birco 300 delivers the strength and durability required for high traffic areas.
Restrictions	Not suitable for use in the main carriageway of a road or motorway cross-over
Loading Classification	E600 F900

PERFORMANCE

Discharge of cross section	95,000 mm²
Protection of steel	Thickness of galvanising is 70 microns
Sealing of joints	Completed by the use of M-Seal or M-Flex into rebate
Security of Grating	By 8no M12 stainless steel bolts per channel. Bolts into the shoulder of the channel

SUPPLY

Units Per Pack	Pallet packed for individual contracts
Av. pack weight (kg)	Maximum 1.5 tonnes
Packaging	Banded & shrink-wrapped onto non-returnable pallets

SUSTAINABILITY

Carbon Footprint	Available on Request

FURTHER INFORMATION

Cleaning & Maintenance	Cleaning & maintenance details are available on request
Efflorescence	Any product containing cement during its early life may exhibit a temporary white discolouration known as efflorescence. This is not a product fault and will gradually disappear with exposure to natural weathering and trafficking
Product Evolution	The evolution of new product design is continuous and information is subject to change without notice. Customers should check with the supplier to ensure that they have the latest details. Marshalls reserve the right to amend the technical information as deemed necessary and in accordance with the relevant national and international standards without notice.
Contact Us	For technical information on the design, specification and construction when utilising the product, contact the Technical Advisory Services Department on 0370 411 2233

GRATING	LOADING	LENGTH	WIDTH	UNIT WEIGHT	ITEM CODE
20 Slotted Cast Iron Grate	E600	500	417	21.0	DR3906200
20 Slotted Cast Iron Grate	F900	500	417	30.0	DR3906300

* Products with an asterix against the item code are available ex-stock
Products without an asterix against the item code are manufactured to order