

PRODUCT SPECIFICATIONS

Standard Dycel units are manufactured according to the following:

Cement: CEM1 BS EN197 - 1 : 2011

Aggregates: BS EN 12620 : 2002

Concrete Mix Design: BS8500 - 1 : 2015 Grade C50: Table 9

Durability: Very severe exposure to Table 5: BS8500 - 1 : 2002

Sulphate Resistance: Class 2, Table 7: BS8500 - 1 : 2015

Minimum Cement Content: 370 kg/m³

Maximum Aggregate Size: 10mm

Density: 2,300 kg/m³ (2.600 and 2.900 kg/m³ to special order)

Freeze/Thaw: When tested by the RILEM method in respect of exposure to repeated freeze/thaw pods cut from actual Dycel units show no loss of weight.

Surface Finish: "Type A" in accordance with BS EN 1992 - 1 - 1 - 2004.

Exposure Classification: BS EN206, XS1, XS2, XS3.

DELIVERY

Factory assembled panels are supplied in various lengths to suit individual applications. For hand laid situations, Dycel blocks are supplied palletised, facilitating off loading and site distribution. Loose blocks may also be supplied for on-site panel assembly. Delivery is normally in 25 tonne loads on articulated lorries, and any local restrictions with regard to lorry size should be made known at the time of placing the order.

DIMENSIONAL TOLERANCES

Dimensional tolerances for standard Dycel units are based on the guidance given by BS EN 1992 - 1 - 1 - 2004, but because of the complex shape we have developed our own system of measurement for the three major axes. Any special requirements concerning dimensions should be made known by the Engineer at the precontract stage and accompanied by drawings.

STANDARD DIMENSIONS & WEIGHTS

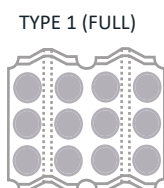
System Ref.	Thickness (mm)	Module Weight (kg)	Installed Weight (kg/m ²)	Open Area (%)	Fill/m ² (m ³ /m ²)
Dycel 100	100	30	155	30	0.030
Dycel 101	100	42	215	Solid	-
Dycel 125	125	37	190	30	0.0375
Dycel 150	150	45	230	30	0.045
Dycel 151	150	62	315	Solid	-
Dycel 201	200	83	427	Solid	-
Dycel 220	220	80	410	16	0.035
Dycel 221	220	92	470	Solid	-
Dycel 301	300	127	648	Solid	-
Dycel 401	400	169	864	Solid	-

BLOCK SIZES & TYPES

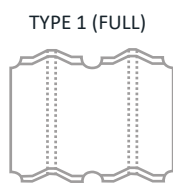
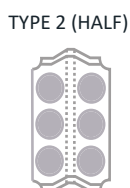
Block Reference	Length (mm)	Width (mm)	Coverage (no/m ²)
Type 1 (Full Block)	480	400	5.1
Type 2 (Half Block)	240	400	10.2



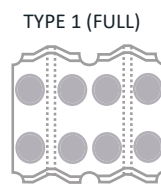
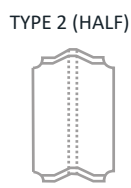
Dycel 100



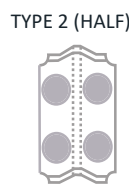
Dycel 100, 125 and 150



Dycel 101, 151, 201, 221, 301 and 401



Dycel 220



Dycel 151

Concrete products may suffer the temporary phenomenon of efflorescence. This is in no way detrimental to the performance of the material and responsibility cannot be accepted for its occurrence.