

No: PC04 – Pollington Box Culverts (stock products)



DoP Ref: PD04

Marshalls Civils and Drainage, Pollington, Goole, East Riding of Yorkshire, DN14 0DU

EN14844:2006

Reinforced precast concrete box culverts: for conveyance/storage.

Mechanical strength: Designed to meet LM1-3 loading in accordance with BS EN 1991-2. Where H_c max=2.0m, H_c min =0.4m.

Concrete:

Compressive strength

$$f_{ck} = 40 \text{ N/mm}^2$$

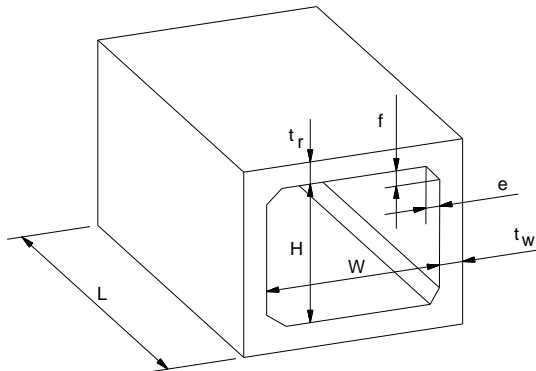
Reinforcing steel:

Ultimate tensile strength

$$f_{tk} = 575 \text{ N/mm}^2$$

Tensile yield strength

$$f_{yk} = 500 \text{ N/mm}^2$$



Measurements: see table below;-

| TYPE | DIMENSIONS | | | | | | |
|----------|------------|----------|----------|------------|------------|-----------|-----------|
| | Width | Height | Length | Walls | Slabs | Splay | |
| | W (m) | H (m) | L (m) | tw (mm) | tr (mm) | e (mm) | f (mm) |
| MC 10.05 | 1.000 | 0.500 | 2.000 | 150 | 150 | 150 | 50 |
| MC 12.07 | 1.250 | 0.750 | 2.000 | 150 | 150 | 225 | 75 |
| MC 15.10 | 1.500 | 1.000 | 2.000 | 150 | 150 | 300 | 100 |
| MC 17.07 | 1.750 | 0.750 | 2.000 | 175 | 175 | 300 | 100 |
| MC 20.10 | 2.000 | 1.000 | 2.000 | 150 | 175 | 300 | 100 |
| MC 25.15 | 2.500 | 1.500 | 1.500 | 200 | 225 | 300 | 100 |

Durability: Adequate for normal serviceability conditions.