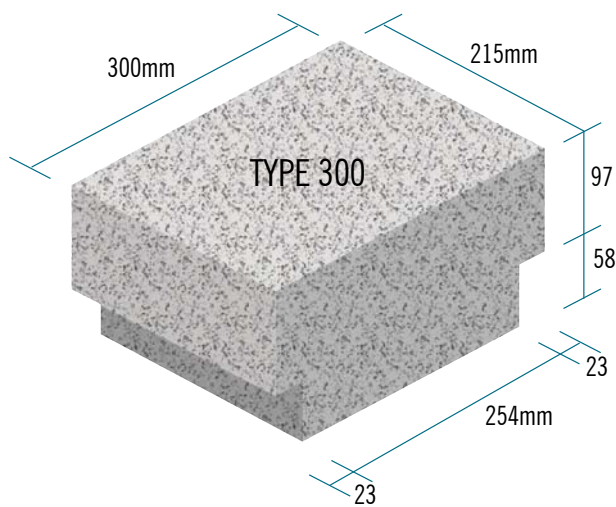
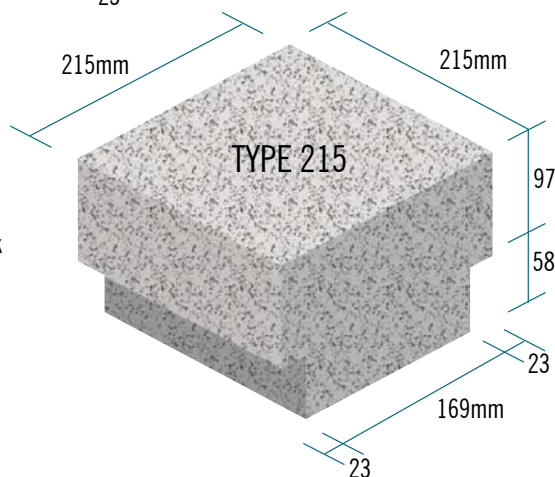


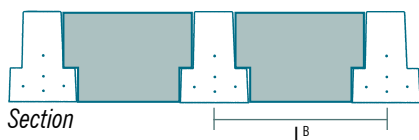
T beam flooring system... first floor T profile blocks



TYPE 300 –
21 per pack approx. pack
weight 390kg

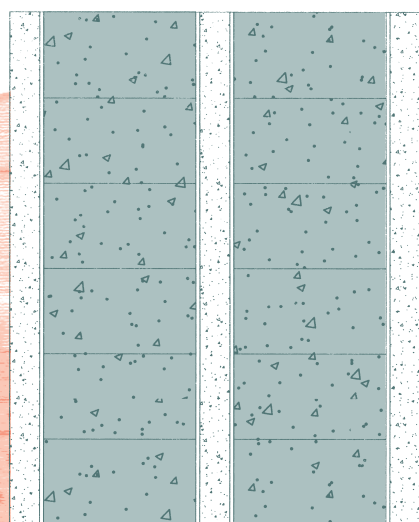


TYPE 215 –
28 per pack approx. pack
weight 364kg



Section

T beam and block floor dimensions



Plan

Calculation showing mass of floor at first floor level using block density of 1950kg/m³ and single beams at 374mm centres...

$M^{\text{beam.1m}}$ 33.21kg

$M^{\text{block.1m}}$ 86.35kg

L^b 374mm

M^f = mass per unit area of floor (kg/m²)

Calculation $M^f = (M^{\text{beam.1m}} + M^{\text{block.1m}})/L^b$
(33.21 + 86.35)/0.374 = 319.68kg/m²

Calculation showing mass of floor at first floor level using block density of 1950kg/m³ and single beams at 289mm centres...

$M^{\text{beam.1m}}$ 33.21kg

$M^{\text{block.1m}}$ 60.45kg

L^b 289mm

M^f = mass per unit area of floor (kg/m²)

Calculation $M^f = (M^{\text{beam.1m}} + M^{\text{block.1m}})/L^b$
(33.21 + 60.45)/0.289 = 324.00kg/m²

To comply with Building Regulations Part E, we can offer T-shaped blocks, for use with our 155mm deep T beam, that will satisfy the majority of requirements, but will need pre-completion testing.

Stowell T beam blocks can be used at 374mm or 289mm centres.

Stowell T beam blocks have a nominal oven-dry density of 1900kg/m³ and are transverse tested.

Careful consideration of their use should be made at the design stage as there is less flexibility in their use e.g. can only use double joists, not triples where beams interlink.

At 374mm centres the mass of 1m² of floor = approximately 320kg.

At 289mm centres the mass of 1m² of floor = approximately 325kg.

Although the system provides a flush soffit **it is not recommended** that a plaster finish is applied directly to them.

All products are available ex works. Prices on application. Telephone our sales office for further information and quotations.

STOWELL
CONCRETE LIMITED