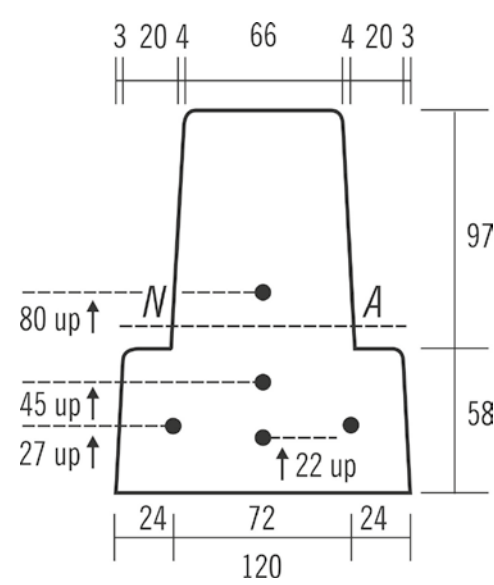


DECLARATION OF PERFORMANCE
No13-SC-T01



Product Type/Identification: Pre-stressed Beams 155 × 120mm
 Intended Use: Beams for beam-and-block floor systems
 Manufacturer: Stowell Concrete Ltd
 Arnolds Way, Yatton, North Somerset, BS49 4QN
 Authorised Representative: Not Applicable
 AVCP: System 2+
 Harmonised Standard: EN15037-1
 ETA: N/A
 Notified Body: CPC

Declared Performance:

Essential Characteristics	Performance	Harmonised Technical Specification
Concrete: Design compressive strength	C40/50	EN15037-1: 2008 
Pre-stressing steel: Design Ultimate Tensile strength... f_{pk}	1770 N/mm ²	
Tensile 0.1% proof-stress... $f_{p0,1k}$	1550 N/mm ²	
Water absorption	NPD	
Water vapour permeability	5/15	
Mass per unit length	33 kg/m	
Thermal conductivity	1.52 (λ 10, dry unit) W/mK	
Resistance to fire	Dependent upon adjacent construction	
Durability (against corrosion)	XC1, XC2, XC3, XC4 & XD1	
Durability (against freeze/thaw)	Resistant	
Dangerous substance	NPD	Section of self bearing beams – nominal dimensions in mm Length L = (Every 50mm multiple from 0.3m to 6.3m +/-25mm) Tendons 5 × 5mm \varnothing indented wire Initial stress σ_{pi} = 1150 N/mm ² End protrusion of wires $l < 10$ mm
For detailing etc – see Technical Information, available on request		

This declaration of performance is issued under the sole responsibility of the manufacturer above
 Signed on behalf of Stowell Concrete Ltd:

Vincent Stowell
 Managing Director 1st January 2015.