



DECLARATION OF PERFORMANCE

CONCAST PRECAST GROUP

Product Identification Code: Bridge element

Product Type: Precast pre-stressed concrete bridge beams

Intended Use: For bridge decking

Manufacturing Plant: Concast Precast Group
Hazelhatch Road
Newcastle, Co. Dublin

Notifying Body: NSAI (National Standards Authority of Ireland)
1 Swift Square
Northwood Santry Dublin 9

System of Assessment: System 2+

EN 15050:2007 + A1:2012

National Standards Authority of Ireland (notified body no: 0050 - CPR - 0529) conducted 2 stage inspection of the production facility and production controls and continuous surveillance and assessment of factory production controls prior to issuing certificate of conformity of the factory production.

Concrete:

Compressive strength..... f_{ck} = 50 N/mm²

Reinforcing steel:

Ultimate tensile strength..... f_{tk} = 575 N/mm²

Tensile yield strength..... f_{yk} = 500 N/mm²

Prestressing steel:

Ultimate tensile strength..... f_{pk} = 1860 N/mm²

Tensile 0.1% proof-stress..... $f_{p0,1k}$ = 1600 N/mm²

For geometrical data, detailing, mechanical strength, fire resistance and durability see design specifications

Design specification: Concast technical document (available on request)

The above mentioned product conforms with the declared values and to be installed as per safe building practise and manufacturer's instructions.

Signed on behalf of Concast:

Caroline Quinn (Director)
Concast Precast Group