



Casey Enterprise

Precast Concrete - Livestock Slats

050 – CPR – 240

10/6G/SL

3.200m Long Six Gang Heavy Duty Cattle Slat

1. Company Name:

Casey Enterprises
Coolishall, Gorey
Co. Wexford

2. Type of Slats:

Heavy Duty Cattle Slat

General Details:

| 3.200m Long Six Gang Heavy Duty Slat | |
|---------------------------------------------|-----------------------------|
| Nominal slat length (m) | 3.200m |
| Nominal width of cover of slat (m) | 1.200m |
| Nominal slat depth (m) | 190mm |
| Slat use for | Cattle, A3 Heavy Duty |
| Compressive strength | C40/50 |
| Ultimate tensile and tensile yield | $f_{tk} = 540\text{N/mm}^2$ |

| | |
|---------------------|-----------------------------|
| Strength (of steel) | $f_{yk} = 500\text{N/mm}^2$ |
|---------------------|-----------------------------|

Details of reinforcement

| | |
|---------------------------------------|--------------------|
| Main ribs, Depth of concrete cover: | |
| Top steel (top cover) (mm) | 40 |
| Bottom steel (bottom cover) (mm) | 40 |
| <u>Main Beams side cover</u> | |
| Top Steel (mm) | 60 |
| Bottom steel (mm) | 55 |
| <u>Reinforcement in Slat</u> | |
| Top steel – longitudinal Beams | 12hy in each beam. |
| Bottom Steel – Longitudinal steel | 16hy in each beam. |
| Top steel – transverse connections | 12hy |
| Bottom steel – transverse connections | 12hy |

3- Code and Standards:

EN 12737:2004+A1: 2007 - Precast concrete products - Floor slats for livestock

EN 206-1:2002 - Concrete – Part 1: Specification, performance, production and conformity

EN 197-1:2001 Composition, specification conformity criteria for common cements

EN 12620 Aggregates for concrete

EN 934 Admixtures for concrete, mortar and grout

EN 1008:2002 Mixing water for concrete

Caey Enterprises supply cattle slats products that are, as far as reasonably possible, safe to transport, store, handle and use.

Signed for and on behalf of the manufacturer by:

Design Engineer: Ali Salih MSc. C. Eng. PGradDip. MIEI

Gorey, Co. Wexford

(July 2015)