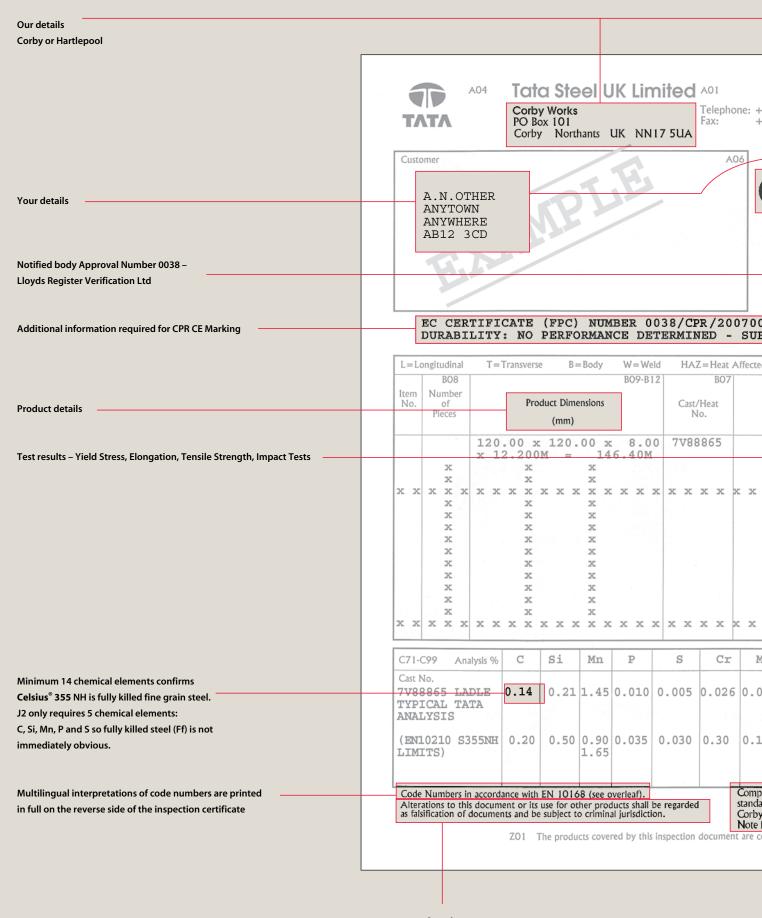


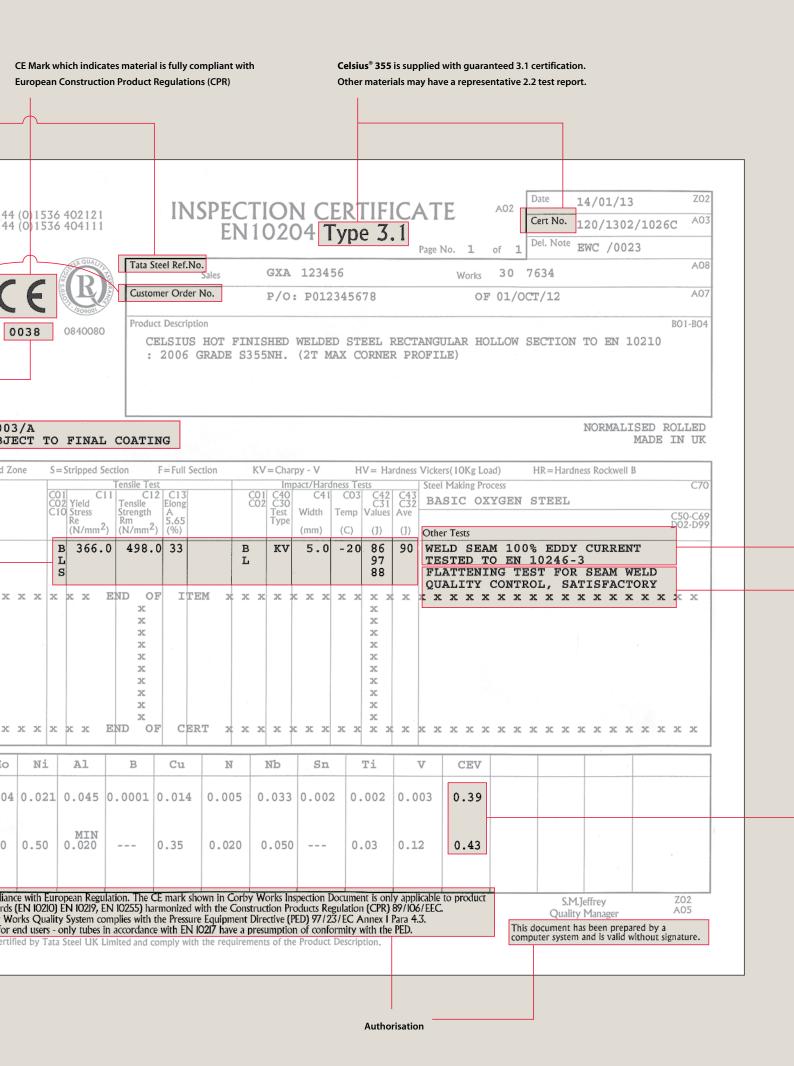


## **Celsius® 355 NH test certification**

Visible quality assurance







Weld seam test which is mandatory for certification (not required for 2.2 test report)

Non-mandatory tests which we guarantee for our quality control and your added assurance

Lower CEV than non alloy (J2)

# A CERTIFIED PRODUCT THAT YOU CAN RELY ON

When you specify **Celsius® 355** hot finished hollow sections, you need to be sure that the correct material has been supplied. Use of substitutes can result in an inferior structural performance – with serious consequences.

To give you confidence, we've made sure that **Celsius® 355** is sold only with full certification. The Inspection Certificate Type 3.1 supplied with this product is your guarantee that **Celsius® 355** is manufactured exclusively from fine grain, normalised steel to EN10210:S355NH standard. For building structures, this means complete assurance that your materials comply with the material requirements of all relevant British and European standards.

The Inspection Certificate Type 3.1 supplied with **Celsius® 355** gives you all the information that you need for peace of mind. It clearly shows:

- a description of the product including confirmation of a 2T corner profile
- the mandatory tests undertaken for EN10210:S355NH certification
- the additional, non-mandatory tests undertaken by Tata Steel for extra quality assurance
- full chemical analysis (14 chemical elements) confirming that
   Celsius® 355 is produced using fully-killed, fine grain steel – and providing you with full visibility and traceability
- the CE mark to prove that the material is fully compliant with the European Construction Product Regulation
- the Tata Steel name and symbol providing assurance that your product is from a proven, reliable and fully traceable source

#### Celsius® 355 Hot Finished Hollow Sections

- Formed at normalising temperature
- Higher sectional properties
- Fine grain structure
- Uniform mechanical properties
- Weldable in corner regions
- Higher compression capacity
- Negligible residual stress
- Tighter corner profile
- Suitability for galvanising
- Fire resistance capability
- Proven dynamic performance

- Guarantees full compliance with EN10210: S355NH
- Guarantees Specific Inspection so material matches test certificate
- Guarantees a minimum charpy impact, average value of 40J @ -20°C
- Guarantees full compliance with CE marking under the Construction Product Regulation (CPR)
- Tighter corner profile of 2T better than EN10210 which is to a maximum of 3T
- Meets and exceeds the J2H specification

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While care has been taken to ensure that the information contained in this brochure is accurate, neither Tata Steel Europe Limited, nor its subsidiaries, accept responsibility or liability for errors or for information which is found to be misleading.

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