

**DECLARATION OF PERFORMANCE**  
 No.012 According to regulation EU

1. Unique identification code of the product-type:

1.8965

2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: to be used as hot rolled products of structural steel

3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required pursuant to Article 11(5):

*Travi e Profilati di Pallanzeno S.p.A.  
 San Zeno Naviglio Plant  
 Via A. Diaz, 248  
 25010 San Zeno Naviglio (BS), Italia  
 Tel. +39 030 2169200*

4. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): Non applicable

5. System or systems of assessment and verification of constancy of performance of the construction product as set out in Annex V:

**System 2+**

6a. In case of the declaration of performance concerning a construction product covered by a harmonised standard:

EN 10025-1: 2004

Notified factory production control certification body No. (See list below) performed the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of conformity of the factory production control.

*Approval certificate 1608 – CPR – P239  
 IGQ Istituto Italiano di Garanzia della Qualità  
 Via Giosuè Carducci 125/A - 20099 Sesto San Giovanni (MI)*

6b. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued:  
 Non applicable

7. Declared performance

| Essential caratteristic            |                        | Performance     |                    | Harmonized technical specification |
|------------------------------------|------------------------|-----------------|--------------------|------------------------------------|
| Tolerances on dimensions and shape | H                      | EN10034:1993    |                    | EN10025-1:2004                     |
|                                    | IPE                    | EN10034:1993    |                    |                                    |
|                                    | IPN                    | EN10024:1995    |                    |                                    |
|                                    | U-UPN                  | EN10279:2000    |                    |                                    |
| Yield strength                     | Nominal thickness (mm) | Value min (Mpa) |                    |                                    |
|                                    | ≤ 16                   | 355             |                    |                                    |
|                                    | >16 to ≤40             | 345             |                    |                                    |
| Tensile strength                   | Nominal thickness (mm) | Value min (Mpa) | Value max (Mpa)    |                                    |
|                                    | ≤100                   | 470             | 630                |                                    |
| Elongation                         | Nominal thickness (mm) | Value (%)       |                    |                                    |
|                                    | ≥3 ≤ 40                | ≥ 22            |                    |                                    |
| Impact strength                    | Nominal thickness (mm) | Value (J)       | Temperature °C     |                                    |
|                                    | ≤ 150                  | ≥ 27            | - 20               |                                    |
| Weldability CEV% max               | Nominal thickness (mm) | Value (%)       |                    |                                    |
|                                    |                        | ≤ 0,52          |                    |                                    |
| Durability (Chemical composition)  | Nominal thickness (mm) | Value min. (%)  | Value max (%)      |                                    |
|                                    |                        |                 | C ≤ 0,16           |                                    |
|                                    |                        | Mn ≥ 0,50       | Mn ≤ 1,50          |                                    |
|                                    |                        |                 | Si ≤ 0,50          |                                    |
|                                    |                        |                 | P and S ≤ 0,035    |                                    |
|                                    |                        | Cr ≥ 0,40       | Cr ≤ 0,80          |                                    |
|                                    |                        | Cu ≥ 0,25       | Cu ≤ 0,55          |                                    |
|                                    |                        |                 | N - Non applicable |                                    |

8. Appropriate Technical Documentation and/or Specific Technical Documentation: Non applicable

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation(EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Gabriele Comandini  
 Plant Manager





**1608**

**Travi e Profilati di Pallanzeno S.p.A.**  
**via A. Diaz 248, San Zeno Naviglio – 25010 (BS), Italia**

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**1608 CPR P239**

EN10025-1:2004

[Tipo: S355 J2W +AR]

Intended to be used on products for structural steel

*Tolerances:*

*Yield strength*

*Tensile strength*

*Elongation*

*Impact strength*

*Weldability CEV*

Espresso as indicated in the DoP

*Durability:*

*NPD*

*Regulated substance:*

*NPD*