

| <b>DECLARATION OF PERFORMANCE</b>                                          |                                                                                                        |
|----------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| <b>NR C3008</b>                                                            |                                                                                                        |
| <b>Rev. 6</b>                                                              |                                                                                                        |
| Unique identification code of the product type                             | <b>S275J0H</b>                                                                                         |
| Intended use/es                                                            | Metal structures or composite metal and concrete structures                                            |
| Manufacturer (registered office)                                           | <b>Marcegaglia Poland Sp.zo.o.</b><br>Ul. Kaliska 72, 46-320 Praszka - Poland                          |
| Production Plant                                                           | <b>Ligota Dolna</b><br>Ul. Przemysłowa 1, 46-200 Kluczbork - Poland                                    |
| System (-s) of assessment and verification of the constancy of performance | <b>2+</b>                                                                                              |
| Harmonised specification<br>Notified Body (-s)                             | <b>EN 10219-1:2006</b><br>RINA Service S.p.A. – Via Corsica, 12 – 16128 Genova - Italia<br><b>0474</b> |
| UK Approved body and ID No                                                 | CARES - Pembroke House, 21 Pembroke Road Sevenoaks, Kent, TN13 1XR<br><b>1244</b>                      |

Certificates of Conformity for the control of the plant production have been issued for the following elements:

- initial inspection of the production plant and of the factory production control.
- surveillance, evaluation and regular audits of the factory production control.

| <b>DECLARED PERFORMANCE</b>                                                                   |                                                                                   |                          |
|-----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|--------------------------|
| Principal features                                                                            | Performance                                                                       | Harmonised specification |
| Dimensional Tolerances                                                                        | As per EN 10219-2:2019                                                            | EN 10219-1:2006          |
| Elongation                                                                                    | As per Table 1                                                                    |                          |
| Tensile strength                                                                              |                                                                                   |                          |
| Yield strength                                                                                |                                                                                   |                          |
| Impact strength                                                                               |                                                                                   |                          |
| Durability<br>(depending on the protection method and/or thickness of the protective coating) | Possibility for hot-dip galvanizing by specifying option 1.4 at the ordering time |                          |
| Weldability (CEV)                                                                             | 0.40% max                                                                         |                          |

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.

This responsibility statement is issued in accordance with Construction Products Regulation 2011 (retained EU law EUR 305/2011) as amended by the Construction Products (Amendment etc.) (EU Exit) Regulations 2019 and the Construction Products (Amendment etc.) (EU Exit) Regulations 2020, under the sole responsibility of the manufacturer identified above.

**Table 1 – Mechanical properties**

| Steel grade                  |               | Minimum yield strength $R_{eH}$ | Tensile strength $R_m$ |          | Minimum elongation % <sup>(c)</sup> | Minimum impact energy  |               |
|------------------------------|---------------|---------------------------------|------------------------|----------|-------------------------------------|------------------------|---------------|
| Steel name                   | Steel number  | [MPa]                           | [MPa]                  |          | $L_0=5.65\sqrt{S_0}$                | KV in J <sup>(d)</sup> |               |
|                              |               | Nominal thickness in mm         |                        |          |                                     | Test temperature       | impact energy |
|                              |               | ≤ 16                            | < 3                    | ≥ 3 ≤ 40 | ≤ 40                                |                        |               |
| <b>S275J0H<sup>(a)</sup></b> | <b>1.0149</b> | 275                             | 430+580                | 410+560  | 20 <sup>(b)</sup>                   | 0°                     | 27            |

- Impact properties are verified only when option 1.3 is specified in the Order.
- For proportion  $D/T < 15$  (round) and  $(B+H)/2T < 12,5$  (square, rectangular) minimum is decreased by 2
- For thickness  $< 3,0$  mm the percentage elongation may be reported for a length of 80 mm or 50 mm
- Impact test, when applicable or required, shall be carried out in accordance with EN10219-1. Impact test are not required for nominal thickness  $< 6$  mm.

Signed for and on behalf of Marcegaglia Poland Sp. z o.o.:



**Marcegaglia Poland Sp. z o.o. Director**

Ligota Dolna, 18.01.2023

This declaration of performance is valid only in presence of the product identification label and delivery document or of the inspection certificate issued at the delivery.