

**Declaration of Performance - No: 232-2016-51**

according to Annex III Construction Products Regulation (305/2011/EU)

and Regulation (EU) No 574/2014

|                                                    |                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| for the construction product                       | <i>Rolled plates</i>                                                                                                                                                                                                                                                                                                                                              |
| 1. Unique identification code of the product type: | <i>S355J0W+N - DIN EN 10025-5:2005</i>                                                                                                                                                                                                                                                                                                                            |
| 2. Intended use:                                   | <i>Rolled plates for use in the construction products</i>                                                                                                                                                                                                                                                                                                         |
| 3. Manufacturer:                                   | <i>PRIVATE JOINT STOCK COMPANY «AZOVSTAL IRON &amp; STEEL WORKS»<br/>1, Leporskogo Str., Mariupol, Donetsk region, Ukraine,<br/>87500<br/>Fax: +38 (0629) 52-70-00,<br/>E-mail: <a href="mailto:azovstal@metinvestholding.com">azovstal@metinvestholding.com</a>,<br/><a href="http://azovstal.metinvestholding.com">http://azovstal.metinvestholding.com</a></i> |
| 4. Authorised representative:                      | <i>No</i>                                                                                                                                                                                                                                                                                                                                                         |
| 5. System of AVCP:                                 | <i>System 2+</i>                                                                                                                                                                                                                                                                                                                                                  |
| 6. Harmonised standard:                            | <i>EN 10025- 1:2005</i>                                                                                                                                                                                                                                                                                                                                           |
| Notified body:                                     | <i>TÜV NORD Systems GmbH &amp; Co. KG<br/>Germany-22525 Hamburg , Kenn.Nr. 0045</i>                                                                                                                                                                                                                                                                               |

## 7. Declared performance:

| Essential characteristics                                                                                                                             | Dimen-<br>sions and<br>shape                        | Performance                           |                                 |                  |                                           |                             |                                                          |                                                                    |                                                                          |               | Harmonize<br>d technical<br>specificatio<br>n |
|-------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|---------------------------------------|---------------------------------|------------------|-------------------------------------------|-----------------------------|----------------------------------------------------------|--------------------------------------------------------------------|--------------------------------------------------------------------------|---------------|-----------------------------------------------|
|                                                                                                                                                       |                                                     | Chemical<br>compositi<br>on           | Carbon<br>equiva-<br>lent,<br>% | Thickness,<br>mm | Mini-<br>mum<br>yield<br>strength,<br>Mpa | Tensile<br>strength,<br>Mpa | Mini-<br>mum<br>elongatio<br>n,<br>%<br>(Lo=5.65<br>√So) | Through-<br>thickness<br>reduction<br>of area<br>(Z), min,<br>% ❄️ | Impact energy<br>(KV) on<br>longitudinal<br>specimens, at<br>temperature |               |                                               |
|                                                                                                                                                       |                                                     |                                       |                                 |                  |                                           |                             |                                                          |                                                                    | T, °C                                                                    | KV, J,<br>min |                                               |
| Maximum<br>deviations on<br>dimensions and<br>shape<br>Yield strength<br>Tensile strength<br>Elongation<br>Impact energy<br>Weldability<br>Durability | DIN EN<br>10029:20<br>11-02<br>Tables 1,<br>2, 3, 4 | DIN EN<br>10025-<br>5:2005<br>Table 2 | 0.52<br>max                     | >6≤16            | 355                                       | 470-630                     | 20                                                       | -                                                                  | 0                                                                        | 27            | DIN EN<br>10025-<br>1:2005                    |
|                                                                                                                                                       |                                                     |                                       |                                 | >16≤40           | 345                                       | 470-630                     | 20                                                       | -                                                                  | 0                                                                        | 27            |                                               |
|                                                                                                                                                       |                                                     |                                       |                                 | >40≤63           | 335                                       | 470-630                     | 19                                                       | -                                                                  | 0                                                                        | 27            |                                               |
|                                                                                                                                                       |                                                     |                                       |                                 | >63≤80           | 325                                       | 470-630                     | 18                                                       | -                                                                  | 0                                                                        | 27            |                                               |
|                                                                                                                                                       |                                                     |                                       |                                 | >80≤100          | 315                                       | 470-630                     | 18                                                       | -                                                                  | 0                                                                        | 27            |                                               |
|                                                                                                                                                       |                                                     |                                       |                                 | >100≤150         | 295                                       | 470-630                     | 18                                                       | -                                                                  | 0                                                                        | 27            |                                               |

\*) is determined for plates with thickness of 20 mm and more.

**The performance of the product identified above is in conformity with the set of declared performance.****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:***Sergey V. Sosin, Director for Technology and Quality**Mariupol, 27.06.2016*

To review the Declaration of Performance please refer to:

<http://azovstal.metinvestholding.com/en/activity/quality/certification>