

# Declaration of Performance - No: 232-2016-50

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>S355K2+N+Z35 - DIN EN 10025- 2:2005</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-sions and shape                  | Performance                 |                      |               |                              |                       |                                        |                                                 |                                                              |            | Harmoni-zed technical specification |
|----------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|-----------------------------|----------------------|---------------|------------------------------|-----------------------|----------------------------------------|-------------------------------------------------|--------------------------------------------------------------|------------|-------------------------------------|
|                                                                                                                                              |                                        | Chemical composition        | Carbon equivalent, % | Thickness, mm | Mini-mum yield strength, Mpa | Tensile strength, Mpa | Mini-mum elongation, %<br>(Lo=5.65√So) | Through-thickness reduction of area (Z), min, % | Impact energy (KV) on longitudinal specimens, at temperature |            |                                     |
|                                                                                                                                              |                                        |                             |                      |               |                              |                       |                                        |                                                 | T, °C                                                        | KV, J, min |                                     |
| Maximum deviations on dimensions and shape<br>Yield strength<br>Tensile strength<br>Elongation<br>Impact energy<br>Weldability<br>Durability | DIN EN 10029:2011-02 Tables 1, 2, 3, 4 | DIN EN 10025-2:2005 Table 2 | 0,45                 | ≥20≤30        | 345                          | 470-630               | 20                                     | 35                                              | -20                                                          | 40         | DIN EN 10025-1:2005                 |
|                                                                                                                                              |                                        |                             |                      | 0,47          | >30≤40                       | 345                   | 470-630                                | 20                                              | 35                                                           | -20        |                                     |
|                                                                                                                                              |                                        |                             | >40≤63               |               | 335                          | 470-630               | 20                                     | 35                                              | -20                                                          | 40         |                                     |
|                                                                                                                                              |                                        |                             | >63≤80               |               | 325                          | 470-630               | 19                                     | 35                                              | -20                                                          | 40         |                                     |
|                                                                                                                                              |                                        |                             | >80≤100              |               | 315                          | 470-630               | 18                                     | 35                                              | -20                                                          | 40         |                                     |
|                                                                                                                                              |                                        |                             | >100≤150             |               | 295                          | 450-600               | 18                                     | 35                                              | -20                                                          | 40         |                                     |
|                                                                                                                                              |                                        |                             | 0,49                 | >150≤200      | 285                          | 450-600               | 18                                     | 35                                              | -20                                                          | 33         |                                     |

\*) 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, 22.06.2016

To review the Declaration of Performance please refer to:

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