


## Declaration of Performance

No. 02

In accordance to CPR 305/2011:

- |     |                                                                                                                        |                                                                                                                                                                                                                                                                                                                                                                                                     |
|-----|------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | Identification of product type:<br>Brand name:<br>Part numbers and diameters:<br><br>Classification:                   | Tubular cored electrode welding consumable<br>Tri-Mark® Metalloy® Vantage<br>S279308 (0.9mm), S279312 (1.2mm),<br>S279315 (1.4mm), S279319 (1.6mm)<br><br>EN 17632-A T46 3 M M 3 H5                                                                                                                                                                                                                 |
| 2.  | Batch number identifying the construction product:                                                                     | Refer to product label                                                                                                                                                                                                                                                                                                                                                                              |
| 3.  | Intended use of the construction product:                                                                              | Metallic structures or composite metal and concrete structures                                                                                                                                                                                                                                                                                                                                      |
| 4.  | Name and contact address of the manufacturer:                                                                          | Hobart Brothers Co. 101 Trade Square East Troy, OH 45373 USA                                                                                                                                                                                                                                                                                                                                        |
| 5.  | Authorized representative:                                                                                             | N/A                                                                                                                                                                                                                                                                                                                                                                                                 |
| 6.  | System of assessment and verification of constancy of performance of the construction product:                         | System 2+                                                                                                                                                                                                                                                                                                                                                                                           |
| 7.  | Notified body:                                                                                                         | Lloyd's Register Verification 0038 performed: <ul style="list-style-type: none"> <li>• Initial inspection of the manufacturing plant and of factory production control</li> <li>• Continuous surveillance, assessment, and evaluation of factory production control under System 2+ and issued certificate of conformity of the factory production control no. 0038/CPR/HOU/NAO0902027/A</li> </ul> |
| 8.  | European Technical Assessment:                                                                                         | N/A                                                                                                                                                                                                                                                                                                                                                                                                 |
| 9.  | Declared performance (see chart on the right):                                                                         |                                                                                                                                                                                                                                                                                                                                                                                                     |
| 10. | The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. |                                                                                                                                                                                                                                                                                                                                                                                                     |

This declaration of performance is issued under the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer by: 

Jennifer Monnin - General Manager Troy, OH USA 7/01/13

| Essential Characteristics: | Performance: |             |        | Harmonized Technical Specification: |
|----------------------------|--------------|-------------|--------|-------------------------------------|
|                            | Min          | Max         | Values |                                     |
| Tolerances on dimensions:  |              |             |        | EN 13479:2004                       |
| 0.9mm diameter             | 0.85         | 0.92        | mm     |                                     |
| 1.2mm diameter             | 1.15         | 1.22        | mm     |                                     |
| 1.4mm diameter             | 1.35         | 1.42        | mm     |                                     |
| 1.6mm diameter             | 1.54         | 1.62        | mm     |                                     |
| Elongation:                | 20           | -           | %      | EN 13479:2004                       |
| Tensile strength:          | 530          | 680         | Mpa    | EN 13479:2004                       |
| Yield strength:            | 460          | -           | Mpa    | EN 13479:2004                       |
| Impact strength:           |              |             |        | EN 13479:2004                       |
| CVN value @ -30°C          | 47           | -           | Joules |                                     |
| Chemical composition:      |              |             |        | EN 13479:2004                       |
| C:                         | -            | 0.12        | %      |                                     |
| Mn:                        | -            | 2.00 ± 0.25 | %      |                                     |
| Ni:                        | -            | 0.50        | %      |                                     |
| Cr:                        | -            | 0.20        | %      |                                     |
| Mo:                        | -            | 0.20        | %      |                                     |
| Nb:                        | -            | 0.05        | %      |                                     |
| V:                         | -            | 0.08        | %      |                                     |
| Cu:                        | -            | 0.30        | %      |                                     |
| Durability                 | NPD          | NPD         | NPD    | EN 13479:2004                       |
| Dangerous substances:      | NPD          | NPD         | NPD    | EN 13479:2004                       |