

Declaration of Performance

DOP No. 20

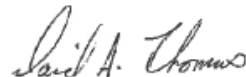
In accordance to CPR 305/2011:

1. Identification of product type: Tubular cored electrode welding consumable
 Brand name: Hobart® FabCO® XL-550
 Part numbers and diameters: S245112 (1.2mm)
 Classification: EN ISO 17632-A T42 4 P C1 2 H5
 EN ISO 17632-B T55 4 T1-1 C1 AP 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/Reg. No: TÜV Rhineland/0035 performed:
 - Initial inspection of the manufacturing plant and of factory production control
 - Continuous surveillance, assessment, and evaluation of factory production control under System 2+ and issued certificate of conformity of factory production control no. 0035-CPR-C810
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.

| Essential Characteristics: | Performance: | | | Harmonized Technical Specification: | |
|----------------------------|--------------|-------|--------|-------------------------------------|--|
| | Min | Max | Values | | |
| Tolerances on dimensions: | | | | | |
| 1.2mm diameter | 1.15 | 1.22 | mm | EN 13479:2004 | |
| Elongation: | 17 | - | % | | |
| Tensile strength: | 500 | 740 | Mpa | | |
| Yield strength: | 420 | - | Mpa | | |
| Impact strength: | | | | | |
| CVN value @ -40°C | 27 | | Joules | | |
| Chemical composition: | | | | | |
| C: | - | 0.12 | % | | |
| Mn: | - | 2.00 | % | | |
| P: | - | 0.030 | % | | |
| S: | - | 0.030 | % | | |
| Si: | - | 0.90 | % | | |
| Ni: | - | 0.50 | % | | |
| Cr: | - | 0.20 | % | | |
| Mo: | - | 0.30 | % | | |
| Nb: | - | 0.05 | % | | |
| V: | - | 0.08 | % | | |
| Cu: | - | 0.30 | % | | |
| Durability: | NPD | NPD | NPD | | |
| Dangerous substances: | NPD | NPD | NPD | | |

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

Signed on behalf of the manufacturer by:



David A. Thomas – Quality Assurance Representative Troy, OH USA 5/15/17