Declaration of Performance

DOP No. 18

In accordance to CPR 305/2011:

1. Identification of product type: Tubular cored electrode welding consumable
   Brand name: Hobart® FabCO® 881K2
   Part numbers and diameters: S284812 (1.2mm)
   Classification: EN ISO 17632-A T46 6 1.5Ni P M21 2 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.

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 7/01/14

Essential Characteristics:	Performance:			Harmonized Technical Specification:
	Min	Max	Values	
Tolerances on dimensions:				EN 13479:2004
1.2mm diameter	1.15	1.22	mm	
Elongation:	20	-	%	
Tensile strength:	530	680	Mpa	
Yield strength:	460	-	Mpa	
Impact strength:				
CVN value @ -60°C	47	-	Joules	
Chemical composition:				
C:	-	0.12	%	
Mn:	-	1.60	%	
Ni:	1.20	1.80	%	
Cr:	-	0.20	%	
Mo:	-	0.20	%	
Nb:	-	0.05	%	
V:	-	0.08	%	
Cu:	-	0.30	%	
Durability:	NPD	NPD	NPD	
Dangerous substances:	NPD	NPD	NPD	