Declaration of Performance

DOP No. 16

In accordance to CPR 305/2011:

1. Identification of product type: Tubular cored electrode welding consumable

   Brand name: Hobart® FabCO® Excel-Arc 71

   Part numbers and diameters: S247108 (0.9mm), S247112 (1.2mm), S247115 (1.4mm), S247119 (1.6mm)

   Classifications: EN ISO 17632-A T46 3 P C1 2 H10 and T46 3 P M21 2 H10

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):

Essential Characteristics:	Performance:			Harmonized Technical Specification:
	Min	Max	Values	
Tolerances on dimensions:				EN 13479:2004
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	-	%	
Tensile strength:	530	680	Mpa	
Yield strength:	460	-	Mpa	
Impact strength:				
CVN value @ -30°C	47	-	Joules	
Chemical composition:				
C:	-	0.12	%	
Mn:	-	2.00	%	
Ni:	-	0.50	%	
Cr:	-	0.20	%	
Mo:	-	0.20	%	
Nb:	-	0.05	%	
V:	-	0.08	%	
Cu:	-	0.30	%	
Durability:	NPD	NPD	NPD	
Dangerous substances:	NPD	NPD	NPD	

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

David A. Thomas – Quality Assurance Representative Troy, OH USA 7/01/14