

# Declaration of Performance

No.: KT-CPR-KM-56Z

Product Name:KM-56Z

Date:2024/04/29

For the construction product		Solid wire electrode
1. Unique identification code for product type	EN ISO 14341-A - G 42 4 C1/M21 3Si1 Trade mark: KM-56Z	
2. Intended use for construction product:	Welding consumables used in metallic structures or in composite metal and concrete structures	
3. Manufacturer	Kuang Tai Metal Ind. Co. Ltd. No. 20, Gongye Road, Erzhen, Guantian District, Tainan City, 72042, Taiwan R.O.C	
4. Authorized representative	Not applied	
5. System(s) of AVCP	System 2+	
6 a) Harmonized standard:	EN 13479	
Notified body/ies:	TÜV Thüringen e. V., NB-Registration-no. 0090, No. of FPC-Certificate: 0090 CPR 1473	
6 b) European Assessment Document:	Not applied	
European Technical Assessment:	Not applied	
Technical Assessment Body:	Not applied	
Notified body/ies:	Not applied	
7. Declared performance:		
Essential characteristics	Performance	Harmonized technical specification
Tolerances on dimensions	Diameter	EN ISO 544, Table 2
Elongation	> 20%	EN ISO 14341, Table 1A
Tensile strength	500~640 N/mm <sup>2</sup>	EN ISO 14341, Table 1A
Yield strength	> 420 N/mm <sup>2</sup> at R <sub>p0.2</sub>	EN ISO 14341, Table 1A
Impact strength	> 47J at -40°C	EN ISO 14341, Table 2
Chemical composition	3Si1 requirement	EN ISO 14341, Table 1A
Durability	NPD	
Dangerous substances	NPD	
Emission of radioactivity	NPD	

8. Appropriate Technical Documentation and/or Specific Technical Documentation: Not applied

The performance of the products identified in points 1 and 2 is in conformity with the declared performance in point 7. This Declaration of Performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:



Samuel Huang / QA Department Manager  
Kaohsiung Branch, Taiwan 2024/04/29