

Declaration of Performance

No. SHS-3/15 Rev.4

Product Type	Cold formed welded square hollow section S355J2H
Code of the Product Type	SHS S355J2H
Intended Use	Construction product
Manufacturer	ELASTRON SA, Ag.Ioannis Str., Ag. Ioannis, Aspropyrgos,19300, Athens, Greece
Verification of Constancy	System 2+
Harmonised Standard Reference	EN10219-1:2006 MIRTEC SA (Notified body number: 0437) has performed initial inspection of the manufacturing plant and of factory production control (FPC), performs continuous surveillance, assessment and evaluation of FPC and issued certificate: 0437-CPR-003/21

Essential Characteristic	Performance	Harmonised Technical Specification
Tolerances on Dimensions & Shape	Tables 2, 3, 4	EN10219-2:2019
Yield Strength	$\geq 355 \text{ N/mm}^2$	EN 10219-1:2006
Tensile Strength	<3 mm thickness 510-680 N/mm ² $\geq 3 \text{ mm thickness } 470-630 \text{ N/mm}^2$	EN 10219-1:2006
Elongation	Table A.3	EN 10219-1:2006
Impact Strength	<6 mm thickness NPD $\geq 6 \text{ mm thickness } \geq 27\text{J at } -20^\circ\text{C}$	EN 10219-1:2006
Weldability	CEV $\leq 0.45\%$	EN 10219-1:2006
Durability	Suitable for galvanising	EN 10219-1:2006

The performance of the product identified above is in conformity with the declared performance identified in the table. This declaration of performance is issued in accordance with regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

On behalf of the manufacturer
 Aspropyrgos 17/12/21

Sinapis Mavroidis
 Technical Director



Tsironis Petros
 Quality Manager

