



# DECLARATION OF PERFORMANCE

## N° SISE01CE



1. Name and identification code  
Hot rolled steel bars for structures, types S275/355 and grade JR/J0/J2
2. Name and address of the producer  
Siderúrgica Sevillana, S.A., Autovía Sevilla Málaga Km. 6, 41500 Alcalá de Guadaira (Sevilla)
3. To be used in  
Welded, bolted and riveted structures
4. System of assessment and verification of constancy of performance: 2+
5. Notified factory production control certification body  
AENOR, nº 0099  
System of assessment and verification of constancy of performance of the product 2+  
Certificate of conformity of the factory production control number 0099/CPR/A81/0006, issued 10/01/2006
6. Declared performance

Essential Characteristic	Performance								Harmonised technical specification	
Tolerances on dimensions and shape	EN 10056-2		Equal angle						EN 10025-1:2006 EN 10025-2:2020	
	EN 10058		Flat bars							
	EN 10059		Square bars							
	EN 10060		Round bars							
Elongation (%)	Acc. to type and grade		Acc. to nominal size (mm)							
			>=3<=40			>40				
	S275JR		23			22				
	S355JR/J0/J2		22			21				
Tensile strength (MPa)	Acc. to type and grade									
	S275JR		410 a 560							
	S355JR/J0/J2		470 a 630							
Yield strength (MPa)	Acc. to type and grade		Acc. to nominal size (mm)							
			<=16			>16<=40				
	S275JR		275			265				
	S355JR/J0/J2		355			345				
Impact strength (Julios)	Acc. to type and grade		Temperature (°C)			Nominal thickness <=150 mm				
	S355J0		0			27				
	S355J2		-20			27				
Weldability (chemical composition)	Acc. to type and grade		CEV máx. (%) acc. to nominal thickness (mm)							
			<=30			>30<=40				
	S275JR		0,40			0,40				
	S355JR/J0/J2		0,45			0,47				
Durability (chemical composition)	Acc. to type and grade	C % máx		Si %máx	Mn %máx	P %máx	S %máx	N %máx	Cu %máx	
		<=40	>40							
	S275JR		0,24	0,25	---	1,60	0,045	0,045	0,014	0,60
	S355JR		0,27	0,27	0,60	1,70	0,045	0,045	0,014	0,60
	S355J0/J2		0,23	0,24	0,60	1,70	0,035	0,035	0,014	0,60

The performance of the product identified in point 1 is in conformity with the declared performance in point 6.

This declaration of performance is issued, R (UE) 305/2011; under the sole responsibility of the manufacturer identified in point 2.

**Carlos Sánchez Fransesch**

Responsable de Calidad, Medio Ambiente y Energía  
Alcalá de Guadaira, 26 July 2022