

## DECLARATION OF PERFORMANCE

### ALPHA JOINT MGSI® - DOP Nº20.01

<b>1. Product Type:</b>	ALPHA MGSI®
<b>2. Intended use</b>	<i>IN-Situ Concrete Slab Permanent Joint Former</i>
<b>3. Manufacturer</b>	MGSI, Acessórios para Indústrias, Lda. Rua do Arneiro, n.º 73 3105-121 Ilha, Pombal Portugal
<b>4. Assessment and verification</b>  Assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V	System 2+
<b>5. Evaluation documents</b>	
European assessment document:	EAD 200089-00-0302 - 10/2017
European Technical Assessment:	ETA 20/0275 – of 27/07/2023
Technical assessment body:	ITECONS – <i>Instituto de Investigação e Desenvolvimento Tecnológico para a construção, Energia, Ambiente e Sustentabilidade</i>
Notified body:	CERTIF - Production control certification body. Notified body number: 1328 issued the factory production control certificate of conformity: <b>1328- CPR – 0825</b>

#### 6. Declared performance

##### 6.1. Materials and dimensions

ALPHA JOINT MGSI®	Length	3000mm+60mm
	Height	Variable, according to project
Component	Solid steel strip	EN 10277-2 S235JR+C or S275JR+C
	Solid galvanized steel strip	EN ISO 1461
	Solid stainless-steel strip	304/316 AISI
	Dowels	EN 10025-2 S275JR or higher
	Sleeves	Polypropylene
	Concrete Anchorage - Spikes	EN 10025-2 S235JR or S275JR
	Concrete Anchorage - Zigzag rod	UNE 36066/96-Sx10 and A400/500 NR SD
	Concrete Anchorage – Shear studs	EN ISO 13918
Divider plate	EN 10130 DC01 or EN 10111-DD11	
Dimensions and tolerances		± 0.5mm and ±0.5°

### 6.1. Mechanical resistance and thermal performance

Dowel capacity, KN, S275JR					
Dowel 150x120x6 (mm)					
Concrete, F <sub>ck</sub>	Joint Opening (mm)				
	5	10	15	20	30
C20/25	53.41	43.18	35.50	29.75	22.05
C25/30	58.19	46.02	37.20	30.80	22.50
C30/37	62.29	48.31	38.51	31.58	22.82
C32/40	63.77	49.12	38.96	31.84	22.93
C35/40	65.87	50.23	39.56	32.19	23.06
C40/50	69.05	51.85	40.42	32.68	23.25

Thermal performance	
Slab height (mm)	Value $\Psi$ (W/m)
	ALPHA MGSI®
130	0.025
150	0.026
165	0.027
180	0.028
200	0.030
230	0.031
250	0.032
280	0.032
300	0.033

### 6.2. Condensation risk assessment and other characteristics

Slab height (mm)	Value fR <sub>si</sub> (W/°C.m)
	ALPHA MGSI®
130	0.300
150	0.319
165	0.333
180	0.346
200	0.364
230	0.387
250	0.402
280	0.424
300	0.437

Fire safety	NPD
Hygiene, health and environment	NPD
Safety and accessibility in use	NPD
Noise protection	NPD

NPD= No Performance Determined

This and other documents available at [www.mgsi.pt](http://www.mgsi.pt)

### 7. Declaration

The performance of the product identified in point 1 is in conformity with the declared performance in point 6. This declaration of performance (DoP) is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:



Virgílio Gonçalves  
Manager