



DECLARATION OF PERFORMANCE

M - JOINT MGSI® - DOP N°20.03

1. Product Type	M - JOINT MGSI®
2. Intended use	<i>IN-Situ Concrete Slab Permanent Joint Former</i>
3. Manufacturer	MGSI, Acessórios para Indústrias, Lda. Rua do Arneiro, n.º 73 3105-121 Ilha, Pombal Portugal
4. Assessment and verification Assessment and verification of constancy of performance (AVCP) of the construction product as set out in CPR, Annex V	System 2+
5. Assessment Documents	
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 1328– CPR – 0825

6. Declared performance

6.1. Materials and dimensions

M -JOINT MGSI ®	Length	2210mm+50mm
	Height	Variable, according to project
Component	Saw-like shaped steel top strip	EN 10277-2 S235JR+C or S275JR+C
	Galvanized saw-like shaped steel top strip	EN ISO 1461
	Stainless-steel saw-like shaped top strip	304/316 AISI
	Dowel	EN 10025-2 S275JR or higher
	Sleeves	Polypropylene
	Concrete anchorage - Spikes	EN 10025-2 S235JR or S275JR
	Concrete anchorage – Shear Studs	EN ISO 13918
	Divider plate	EN 10130 DC01 ou EN 10111-DD11
Dimensions and tolerances		± 0.5mm and ±0.5°

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6.2. Mechanical resistance and thermal performance

Dowel capacity, KN, S275JR Dowel 150x120x6 (mm)					
Concrete, F _{ck}	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 Ψ (W/m)
	M-MGSI®
130	0.027
150	0.027
165	0.029
180	0.029
200	0.031
230	0.032
250	0.033
280	0.033
300	0.034

6.3. Condensation risk assessment and other characteristics

Slab height (mm)	Values fR _{si} (W/°C.m)
	M-MGSI®
130	0.294
150	0.313
165	0.327
180	0.341
200	0.358
230	0.382
250	0.397
280	0.419
300	0.433

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

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

Pombal - Portugal

Jul 27, 2023