

# DECLARATION OF PERFORMANCE

T\_4519\_0570

ITEM NO. 4519

Declaration of performance in accordance with EU Construction Product Regulation 305/2011	
Applicable harmonised standard	EN 1090-1
Description as per standard	U 48/197/48
Protektor product description	U-Weitspannträgerprofil
Product area	21

Identification using product data printed onto products / packaging / documents

**EN 1090-1 – Execution of steel structures and aluminum structures - Part 1: Requirements for conformity assessment of structural components**

**Protektorwerk Florenz Maisch GmbH & Co. KG**  
**8000028**

## ASSESSMENT AND VERIFICATION OF CONSTANCY OF PERFORMANCE

Performance	System	Notified body	Classification report
cold-formed members for constructive use in all kind of construction	2+	NB 0769 - Karlsruher Institut für Technologie (KIT), Versuchsanstalt für Stahl, Holz und Steine	Erstinspektion der Werkseigenen Produktionskontrolle vorgenommen und eine Konformitätsbescheinigung für die werkseigene Produktionskontrolle 0769-CPR-VAS-00436-1

**PROTEKTORWERK**  
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## Performance to be declared

Essential characteristics	Performance	Harmonised technical specification
<b>geometrical tolerance</b>	EN 1090-2 Dicke: 1/2 Normalminustoleranz nach EN 10143, Tab. 1 Dicke: 1/2 Normalplustoleranz nach EN 10143, Tab. 1	EN 1090-1
<b>Weldability</b>	S320GD+Z275 nach EN 10346	EN 1090-1
<b>Fracture toughness</b>	NPD	EN 1090-1
<b>Impact strength</b>	NPD	EN 1090-1
<b>Load bearing capacity</b>	NPD	EN 1090-1
<b>Deformation (SLS)</b>	NPD	EN 1090-1
<b>Fatigue strength</b>	NPD	EN 1090-1
<b>Resistance to fire</b>	NPD	EN 1090-1
<b>measurement</b>	NPD	EN 1090-1
<b>production</b>	Nach der Bauteilspezifikation	EN 1090-1
<b>execution class</b>	EXC2	EN 1090-1
<b>Reaction to fire (R2F)</b>	A1	EN 1090-1
<b>Release of cadmium and cadmium compounds</b>	NPD	EN 1090-1
<b>Emission of radioactivity</b>	NPD	EN 1090-1
<b>Durability</b>	schmelztauchveredelt Z 275 nach EN 10346	EN 1090-1

The manufacturer has carried out initial type testing (ITT) as required by Execution of steel structures and aluminum structures - Part 1: Requirements for conformity assessment of structural components. The product undergoes a factory production control (FPC) which complies with the requirements of EN 1090-1 - Execution of steel structures and aluminum structures - Part 1: Requirements for conformity assessment of structural components.

The performance of the product which is referred to in this performance declaration represents the performance to be declared. The manufacturer named in this declaration of performance is solely responsible for preparing this declaration of performance



Dr. Christof Maisch | CEO, Managing Partner

Gaggenau, on 20.10.2014

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