

# DECLARATION OF PERFORMANCE

C-beam/wall profile

97-50-20

Item 4810 | No. T\_14092



## Declaration of performance in accordance with EU Construction Product Regulation 305/2011

|                                   |                     |
|-----------------------------------|---------------------|
| Applicable designated standard    | EN 1090-1           |
| Designation according to standard | C 50/97/50          |
| Protektor product name            | C-beam/wall profile |
| Product area                      | 21                  |

Identification using product data printed onto products / packaging / documents

### EN 1090-1

Protektorwerk Florenz Maisch GmbH & Co. KG

8000028

## Assessment and Verification of Constancy of Performance

| Performance                                                             | System | Approved body                                                                                   | Classification report |
|-------------------------------------------------------------------------|--------|-------------------------------------------------------------------------------------------------|-----------------------|
| Kaltverformte Profile für tragende Zwecke in allen Arten von Bauwerken. | 2+     | NB 0769 - Karlsruher Institut für Technologie (KIT), Versuchsanstalt für Stahl, Holz und Steine |                       |

## Performance to be declared

| Essential characteristics                | Performance                   | Designated technical standard |
|------------------------------------------|-------------------------------|-------------------------------|
| Load bearing capacity                    | NPD                           | EN 1090-1                     |
| Weldability                              |                               | EN 1090-1                     |
| Fracture toughness                       |                               | EN 1090-1                     |
| Impact resistance                        |                               | EN 1090-1                     |
| Fatigue strength                         |                               | EN 1090-1                     |
| Distortion (SLS)                         |                               | EN 1090-1                     |
| Reaction to fire (R2F)                   | A1                            | EN 1090-1                     |
| Fire resistance                          |                               | EN 1090-1                     |
| Release of cadmium and cadmium compounds |                               | EN 1090-1                     |
| Radioactive radiation emission           |                               | EN 1090-1                     |
| Geometric tolerances                     |                               | EN 1090-1                     |
| Durability                               | ZM310 n. EN10346 + DIN55634-1 | EN 1090-1                     |
| Dimensioning                             |                               | EN 1090-1                     |
| Manufacture                              |                               | EN 1090-1                     |
| Execution class                          |                               | EN 1090-1                     |

The manufacturer has carried out initial type testing (ITT) as required by . The product undergoes a factory production control (FPC) which complies with the requirements of EN 1090-1 - .

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".

Signed for the manufacturer and on behalf of the manufacturer by:

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A handwritten signature in blue ink, appearing to read "Dr. Christof Maisch".

Dr. Christof Maisch | CEO, Managing Partner  
Gaggenau, on 25.06.2026