

## DECLARATION OF PERFORMANCE

No. LE\_016538160\_02\_M\_ASSY-FT

This is an English translation of the original German wording. In cases of doubt, the German version applies.

1. Unique identification code of the product type:  
ASSYplus VG 4 CH Art. Nr. 0150008160 bis 0150008580  
[ASSYplus VG 4 CH art. nos. 0150008160 to 0150008580]  
ASSYplus VG 4 CS Art. Nr. 0150110160 bis 0150110800  
[ASSYplus VG 4 CS art. nos. 0150110160 to 0150110800]
2. Intended use(s):  
self-drilling screws for use in timber-concrete composites
3. Manufactured by:  
Adolf Würth GmbH & Co. KG  
Reinhold-Würth-Str. 12-17  
D-74653 Künzelsau
4. System(s) of assessment and verification of constancy of performance:  
System 1
5. European Assessment Document: European Technical Assessment:  
ETA-13/0029 of 07/11/2017
6. Declared performance:  
Technical Assessment Body:  
ETA Danmark A/S, Charlottenlund  
Notified Body or Bodies:  
0672 MPA Stuttgart; no. 0672-CPR-1017

Essential characteristics	Unit	Performance		Harmonized technical specification
		ASSYplus VG 4 CH	ASSYplus VG 4 CS	
Thread Outer diameter	d [mm]	8	10	ETA 13/0029, Table 2.4
Characteristic value Yield moment	M <sub>y,k</sub> [Nm]	20	36	ETA 13/0029, Table 2.4
Characteristic value Tensile strength	f <sub>tens,k</sub> [kN]	17	32	ETA 13/0029, Table 2.4
Characteristic value Breaking torque	f <sub>tor,k</sub> [Nm]	NPD		
Mean value Screw-in torque	R <sub>tor,mean</sub> [Nm]	NPD		
Corrosion protection	[µm]	Mean zinc layer thickness / min 5 µm		ETA 13/0029, Section 2.4
Shear strength	[kN]	NPD		
BWR 4: Safety and accessibility in use				
based on BWR 1		based on BWR 1		EAD 130090-00-0303 Table 3

Remark from ETA-13/0029, p 3

The FT connector was not assessed as an independent component, yet its use is assumed by the assessments underlying this ETA. The characteristic properties specified in this ETA for the ASSYplus VG 4 CS screws of 10 mm diameter apply exclusively when they are used in conjunction with FT connectors.



## 7. Appropriate and/or Specific Technical Documentation

The performance of the above product corresponds to the declared performance. The declaration of performance is issued in compliance with EU Regulation 305/2011 under the sole responsibility of the above manufacturer.

Signed for and on behalf of the manufacturer by:

Original signed by:

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Dr Andreas Heck  
(Head of Product Department)

Original signed by:

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Dr.-Ing. Siegfried Beichter  
(Authorized  
Signatory - Head of  
Product Safety)

Künzelsau, 04/11/2024