



EXPANDET®



®

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Declaration of Performance

No. DEW990010

Expandet Extra Panhead Woodscrew, Ceramic Coated 1000h

Intended use or uses of the construction product according to EN 14592+ A1:2012

Generic type	Self-tapping woodscrews for use in load bearing timber structures.
Material	Carbon steel acc. ASTM 510A Ceramic Coated 1000h
Durability	Service class 1,2 & 3 acc. Eurocode EN 1995-1-1
Surface coating	Type 1 & 2
Fire Reaction	A1 according to EN13501-1
Notified Body (ITT)	Danish Technological Institute (Notified Body 1235)
Under AVCP System	3

Declared performances according to EN 14592 + A1:2012

Essential Characteristics			Performance			
Nominal diameter (d)		[mm]	3,5 mm	4,0 mm	5,0 mm	6,0 mm
d _h	Head Diameter	[mm]	7,0	8,0	10,0	12
d ₁	Inner thread diameter	[mm]	2,1	2,4	3,0	3,6
M _{y,k} (M _{y,Rk})	Characteristic Yield Moment	[Nmm]	1600	3200	6100	9600
f _{ax,k}	Characteristic Withdrawal parameter (ρa = 350 kg/m³)	[N/mm²]	9,5		10	
f _{head,k}	Characteristic head pull-through parameter (ρa = 390 kg/m³)	[N/mm²]	14			
f _{tens,k}	Characteristic tensile capacity	[N]	3500	4800	7400	11000
f _{tor,k}	Characteristic torsional strength	[Nm]	1,6	2,5	5,1	9,3
f _{tor,k} / R _{tor,k}	Torsional ratio (ρa = 477 kg/m³)	[-]	> 1,5			
Durability			Ceramic Coated 1000h, Service Class 1,2 & 3 acc. Eurocode 1992-1-1			

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above. Signed for and on behalf of the manufacturer by:

Date and place: 12-05-2014, Græsted

Peter van der Wel, Managing Director