

DECLARATION OF PERFORMANCE No 141/SZ/19

1. Unique identification code of the product-type: **WKCS**
2. Intended use/es: **Screws for use in timber constructions**
3. Manufacturer: **Klimas Sp. z o.o.
ul. Wincentego Witosa 135/137
Kuźnica Kiedrzyńska 42-233 Mykanów**
4. Authorised representative: **not applicable**
5. System/s of AVCP: **system 3**
6. European Assessment Document: **EAD 130118-00-0603 10/2016**
European Technical Assessment: **ETA-18/0817 17/01/2019**
Technical Assessment Body: **DEUTSCHES INSTITUT FÜR BAUTECHNIK**
Notified body/ies: **0769**
7. Declared performance/s:

Essential characteristic	Performance							
Dimensions	\varnothing	[mm]	6	8	10			
Characteristic yield moment	$M_{y,k}$	[Nm]	10	25	43			
Bending angle	max.	[°]	32	30	29			
Characteristic withdrawal parameter	$f_{ax,k}$	[N/mm ²]	12	12	11			
Characteristic head pull-through parameter	$f_{head,k}$	[N/mm ²]	9,4	9,4	9,4			
Characteristic tensile strength	$f_{tens,k}$	[kN]	13	25	36			
Characteristic yield strength	$f_{y,k}$	[N/mm ²]	1000	1000	1000			
Characteristic torsional strength	$f_{tor,k}$	[Nm]	10	27	45			
Insertion moment	$R_{tor,k}$	[Nm]	5	11	22			
Spacing, end and edge distances of the screws and minimum thickness of the wood based material								
distance and thickness [mm]	a_1	$a_{3,t}$	$a_{3,c}$	a_2	$a_{4,t}$	$a_{4,c}$	$T_{min.}$	
Plane surface (for $\varnothing 6/ \varnothing 8/ \varnothing 10$)	24/32/40	36/48/60	36/48/60	15/20/25	36/48/60	15/20/25	24/30/40	
Edge surface (for $\varnothing 6/ \varnothing 8/ \varnothing 10$)	60/80/100	72/96/120	42/56/70	24/32/40	36/48/60	18/24/30		

Figure A.2.1 Definition of spacing, end and edge distances in the plane surface of the cross laminated timber:

Figure A.2.2 Definition of spacing, end and edge distances in the edge surface of the cross laminated timber. For screws in the edge surface, a_1 and a_3 are parallel to the CLT plane face, a_2 and a_4 perpendicular to CLT plane face.

Reaction to fire	Class A1
------------------	----------

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

not applicable

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:

Kuźnica Kiedrzyńska

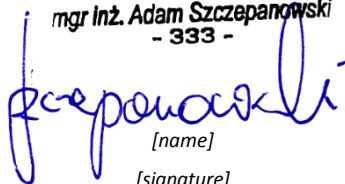
05-02-2019

[place]

[date of issue]

DORADCA TECHNICZNY

mgr inż. Adam Szczepanowski
- 333 -



[name]

[signature]