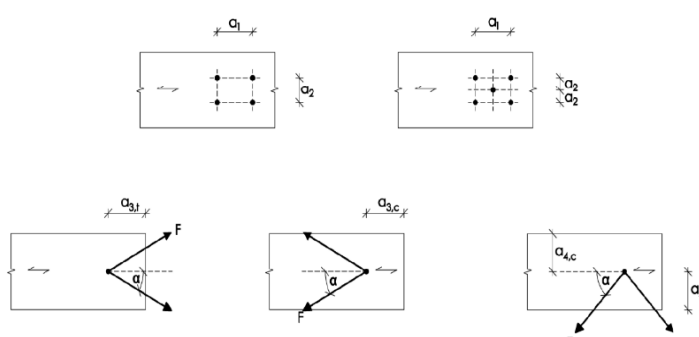
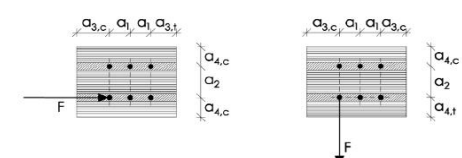


## DECLARATION OF PERFORMANCE No 140/SZ/19

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

Essential characteristic	Performance							
	$\emptyset$	[mm]	<b>6</b>	<b>8</b>	<b>10</b>			
Dimensions								
Characteristic yield moment	$M_{y,k}$	[Nm]	10	25	43			
Bending angle	max.	[°]	32	30	29			
Characteristic withdrawal parameter	$f_{ax,k}$	[N/mm <sup>2</sup> ]	12	12	11			
Characteristic head pull-through parameter	$f_{head,k}$	[N/mm <sup>2</sup> ]	9,4	9,4	9,4			
Characteristic tensile strength	$f_{tens,k}$	[kN]	13	25	36			
Characteristic yield strength	$f_{y,k}$	[N/mm <sup>2</sup> ]	1000	1000	1000			
Characteristic torsional strength	$f_{tor,k}$	[Nm]	10	27	45			
Insertion moment	$R_{tor,k}$	[Nm]	5	11	22			
<b>Spacing, end and edge distances of the screws and minimum thickness of the wood based material</b>								
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 $\emptyset 6/ \emptyset 8/ \emptyset 10$ )	24/32/40	36/48/60	36/48/60	15/20/25	36/48/60	15/20/25	24/30/40	
Edge surface (for $\emptyset 6/ \emptyset 8/ \emptyset 10$ )	60/80/100	72/96/120	42/56/70	24/32/40	36/48/60	18/24/30		
								
								
<p>Figure A.2.1 Definition of spacing, end and edge distances in the plane surface of the cross laminated timber:</p> <p>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, <math>a_1</math> and <math>a_3</math> are parallel to the CLT plane face, <math>a_2</math> and <math>a_4</math> perpendicular to CLT plane face.</p>								
<b>Reaction to fire</b>				<b>Class A1</b>				

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*

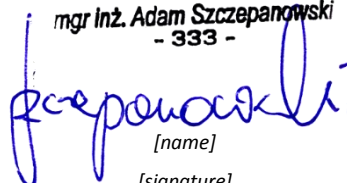
*05-02-2019*

*[place]*

*[date of issue]*

DORADCA TECHNICZNY

mgr inż. Adam Szczepanowski  
- 333 -



*[name]*

*[signature]*