

Baustoffprüfstelle Wismar GmbH - Lübsche Strasse 109 - 23966 Wismar

Short Test Report-No.: K 2708/08 from 26.03.2009

Testing institute:	Institute of Certification for Building Materials Wismar GmbH
Sampler:	Manager of the Institute of Certification for Building Materials Wismar GmbH Graduate Engineer Ellen Stoige
Manufacturer:	CREATON AG Wertinger Weg 1, 99991 Großengottern
Content of the order:	Testing of the roofing tiles according to DIN EN 1304:2005-07
Description of the samples:	Large-size pantiles
Description of the plant:	DOMINO
Sampling point and date:	Storage place

Testing standard and characteristic	Unit	Testing results	Requirements according to DIN EN 1304:2005-07	fulfilled yes/no
1. DIN EN 1024 - Geometric characteristics				
1.1 Regularity of the shape				
- Mean value of the regularity	%	0,3	≤ 1,5	yes
1.2 Straightness				
- Mean value of the straightness lengthways	%	0,3	≤ 1,5	yes
- Mean value of the straightness diagonally	%	-	none	
or overlap dimensions or overlap dimensions				
- Difference of the length mean value according to the manufacturer details	%	0,2	≤ 2,0	yes
- Difference of the width mean value according to the manufacturer details	%	0,5	≤ 2,0	yes
- Difference of the average cover length according to the manufacturer details	%	0,6	≤ 2,0	yes
- Difference of the average cover width according to the manufacturer details	%	0,4	≤ 2,0	yes
2. DIN EN 539-1 - Water impermeability				
Testing method 2 - Requirement level 1				
- Mean value of the impermeability's coefficient		0,60	≤ 0,8	yes
- Highest individual value of the impermeability's coefficient		0,600	≤ 0,85	yes
3. DIN EN 538 - Flexural Strength				
- Breaking load	kN	3,5	≥ 1,2	yes
4. DIN EN 539-2 - Frost Resistance				
- Method E 150 changes of frost to dew (performance level 3)		passed	≥ 150	yes
5. DIN EN 1304 - Marking encoded or clear text				
		available	completely	yes

The extraction, the preparation of the samples and the implementation of the test occurred according to DIN EN 1304:2005-07 and accompanying DIN EN testing standards.

The individual results can be derived from the complete test report-no.: 02708/08.

The quality control is carried out according to DIN EN 1304:2005-07.

The requirements according to DIN EN 1304:2005-07 are fulfilled.

Graduate Engineer Ellen Stoige
Manager of the Institute for testing,
surveillance and certification