

 <b>15</b> <b>DoP 01/2015 Cristallina</b>	<i>Producer:</i> <b>Cristallina SA</b> <b>6710 Biasca – Switzerland (CH)</b>			Applicable harmonized standard: for natural stone										
				<b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b> <b>x</b>	EN 1469 - Slabs for external cladding	EN 1469 - Slabs for interior cladding	EN 12058 - Slabs for external floors and stairs	EN 12058 - Slabs for interior floors and stairs	EN 12057 - Modular tiles for external coverings	EN 12057 - Modular tiles for interior coverings	EN 12057 - Modular tiles for outdoor floors	EN 12057 - Modular tiles for interior floors	EN 1343 - Curbs for external flooring	EN 1342 - Cubes for outdoor flooring
<i>Natural stone denomination (EN 12440)</i>														
<i>Traditional name:</i>	<b>CRISTALLINA</b>													
<i>Place of origin:</i>	<b>SWITZERLAND</b>													
<i>Petrological family:</i>	<b>MARBLE</b>													
<i>Visual aspect:</i>	<b>Phaneritic holocrystalline metamorphic lithotype with blasts visible to the naked eye ranging in size from submillimetric to plurimillimetric.</b>													
<i>Characteristics</i>				<i>Method</i>	<i>UOM</i>	<i>Declared value</i>								
Reaction to fire (without test according to Decision 96/603 CE)					-	<b>Class A1</b>								
Release of dangerous substances				D.M. 186/2006	-	<b>NPD</b>								
Bending strength - minimum expected value				EN 12372	MPa	<b>8,0</b>								
Bending strength - average value				EN 12372	MPa	<b>9,0</b>								
Bending strength - standard deviation				EN 12372	MPa	<b>0,5</b>								
Frost resistance, bending (14 cycles) – average value				EN 12371+EN 12372	Mpa	<b>7,9</b>								
Frost resistance, bending (56 cycles) – average value				EN 12371+EN 12372	Mpa	<b>6,2</b>								
Compressive strength - minimum expected value				EN 1926	MPa	<b>48</b>								
Compressive strength - average value				EN 1926	MPa	<b>61</b>								
Compressive strength - standard deviation				EN 1926	MPa	<b>7</b>								
Frost resistance, compression (56 cycles) - average value				EN 12371+EN 1926	Mpa	<b>58</b>								
Frost resistance in the presence of salt (56 cycles)				EN 12371+EN 1926	Mpa	<b>NPD</b>								
Water absorption at atmospheric pressure - maximum expected value				EN 13755	%	<b>0,1</b>								
Apparent density - average value				EN 1936	kg/m <sup>3</sup>	<b>2707</b>								
Open porosity - average value				EN 1936	%	<b>0,39</b>								
Permeability to water vapor				EN 12524	-	<b>NPD</b>								
Airborne sound insulation - average value				EN 1936	kg/m <sup>3</sup>	<b>2707</b>								
Thermal conductivity - average value				EN 1936	kg/m <sup>3</sup>	<b>2707</b>								
Thermal shock - bending variation (20 cycles)				EN 14066	%	<b>-34,4</b>								
Thermal shock - open porosity variation (20 cycles)				EN 14066	%	<b>35,0</b>								
Breaking load on fixing - minimum expected value				EN 13364	N	<b>769</b>								
Breaking load at fixing - average value				EN 13364	N	<b>1150</b>								
Breaking load at fastening - standard deviation				EN 13364	N	<b>208</b>								
Water absorption by capillarity				EN 1925	g/m s <sup>1/2</sup>	<b>1,407</b>								
Slip resistance (polished)				EN 14231	srv dry	<b>37</b>								
					srv wet	<b>21</b>								
Slip resistance (Smoothed C220)				EN 14231	srv dry	<b>42</b>								
					srv wet	<b>31</b>								
Slip resistance (Satin)				EN 14231	srv dry	<b>55</b>								
					srv wet	<b>40</b>								
Slip resistance (Shot-blasted k2500)				EN 14231	srv dry	<b>83</b>								
					srv wet	<b>71</b>								
Frictional resistance				-		-								
Legend														
■ Feature to declare ● Optional feature														