

# National Research Center Testing Techniques for Building Materials

## Test Report

Report N° 200990132

N°	Test items		Test results	Test standar/method
1	Water absorption		0,01%,	SN/T 0308-93
2	Density		2,5g/cm <sup>3</sup>	
3	Specular gloss		85	
4	Abrasion resistance		7,37x10 <sup>4</sup> g/cm <sup>2</sup>	
5	Linear thermal expansion		7,38*10 <sup>-6</sup> C <sup>-1</sup>	
6	Moh's hardness		Class 5	
7	compression stength (dry)		418MPa	
8	Flexural strength (dry)		42,1MPa	
9	Impact toughness		9,2KJ/m <sup>2</sup>	
10	static load test		No cracking and visible deterioration	
11	Aging test		No cracking, crazing blistering, colorfastness:3,16	
12	Chemical resistance		The surface finish is unaffected	
13	High temp. resistance		No cracking, crazing, blistering	
14	Radionuclides (A class)	Internal exposure index 1 <sub>ra</sub> ≤1,0	0,0(+)	
		External exposure index 1 <sub>r</sub> ≤1,3	0,3	