

Internal audit report

## Investigations on test specimens FRESCOLORI Maranzo system

Test report no. 21000240-01

**Test date:** May 2019

**Product designations:** Reference FRESCOLORI

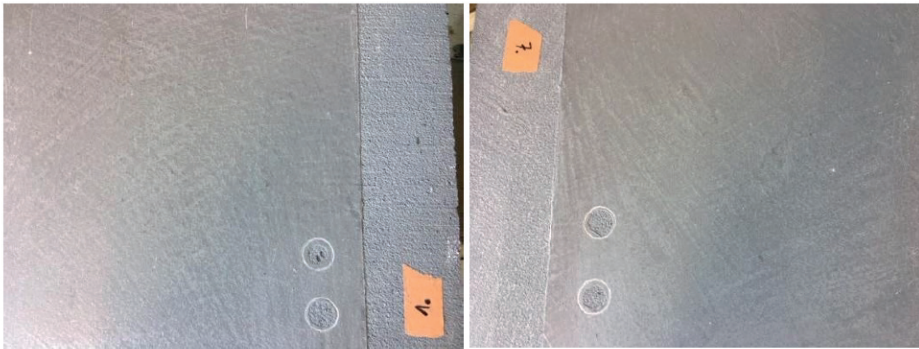
**This internal audit report comprises 3 pages.**

## 1. Task

The object of the investigation was the surface properties of test specimens 1 and 7 from the Frescolori company. Hardness according to EN ISO 7619-1:2012 (Shore D hardness) and abrasion resistance according to EN 13892-4 (BCA method).

In addition, 2K PU according to ISO 5470-1:1999 (Taber-Abraser) are available for the top seal.

Images of the test specimens:



## 2. Test results

### 2.1 Shore hardness according to EN ISO 7619-1:2012

Test specimen	Individual values Shore D	Mean value
1	65, 66, 65, 66, 67	65,8
7	72, 70, 72, 68, 71	70,6

### 2.2 Abrasion resistance according to EN 13892-4 (BCA method)

Measuring point	1	2	3	4	5	6	7	8	Mean value
Abrasion	10	10	10	0	10	0	10	0	6,25

Data in  $\mu\text{m}$

Classification according to EN 13813 Table ZA 1.5 (synthetic resin screed mortar): AR 0.5 (< 50  $\mu\text{m}$ )

**2.3 Abrasion resistance (Taber) of Frescolori 2K PU SM according to ISO 5470-1:1999**

Audited like	m0 [g]	m1 [g]	AR [mg] = (m0 - m1) - 1000
	<b>65,801</b>	<b>65,794</b>	<b>7</b>
	<b>66,07</b>	<b>66,042</b>	<b>28</b>
	<b>65,95</b>	<b>65,924</b>	<b>26</b>

Friction wheel H 22; 1,000 cycles; load: 1,000 g; weigh to 1 mg

**3. Summary**

In summary, the following statements can be made:

The system has a high hardness and very good abrasion resistance.