



# PRODUCT TESTING SERVICE

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TCNA TEST REPORT NUMBER: TCNA-203-06 PAGE: 1 OF 1

**TEST REQUESTED BY:** Florim Ceramiche SpA  
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**TEST SUBJECT MATERIAL:** Identified by client as: Cerim - Rochebelle 32 x 32

**TEST DATE:** 7/13/06-7/14/06


**TEST PROCEDURE:** ASTM C1028: "Standard Test Method for Determining the Static Coefficient of Friction of Ceramic Tile and Other Like Surfaces by the Horizontal Dynamometer Pull-Meter Method"  
-A Chatillon DFIS 100 digital force gauge was used to measure each pull in pounds-force.  
-A 3 x 3 x 1/8 inch piece of Neolite was used as the sensor.  
-Internal calibration used in lieu of dry calibration factor.

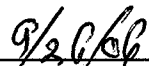
**TEST RESULTS:** The average static coefficient of friction of four (4) pulls on each tile was as follows:

	<u>As Received</u>	<u>After Cleaning</u>
Tile 1: <u>Dry:</u>	<u>0.76</u>	<u>0.82</u>
<u>Wet:</u>	<u>0.59</u>	<u>0.61</u>
Tile 2: <u>Dry:</u>	<u>0.82</u>	<u>0.85</u>
<u>Wet:</u>	<u>0.62</u>	<u>0.63</u>
Tile 3: <u>Dry:</u>	<u>0.82</u>	<u>0.83</u>
<u>Wet:</u>	<u>0.61</u>	<u>0.61</u>

The average static coefficient of friction of twelve (12) pulls was as follows:

<u>Dry:</u>	<u>0.80</u>	<u>0.83</u>
<u>Wet:</u>	<u>0.61</u>	<u>0.62</u>

  
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Virgil Irick  
Director of Laboratory Services

  
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Date