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**TCNA TEST REPORT NUMBER:** TCNA-0268-17 **PAGE:** 1 OF 3

**TEST REQUESTED BY:** Cepac Tile

**TEST METHOD:** Mohs' Scratch Hardness

This test method is used to determine the scratch hardness of a tile surface using the Mohs' hardness scale. A scratch test is performed at each level of hardness to determine the hardness of the surface relative to the Mohs' scale.

**TEST SUBJECT MATERIAL:** Identified by client as: "Retro 5" Hexagon-51M"  
Approximate Size as Received: 5" Hexagons

**TEST DATE:** 3/27/2017

**TEST PROCEDURE NOTES:**

- Sample prep: None
- Three whole tiles were tested.
- The tiles were tested using a Deluxe Hardness Pick Set from Mineralab, LLC. The following minerals are used as standard:
  - 1 – Talc                      6 – Feldspar
  - 2 – Gypsum                 7 – Quartz
  - 3 – Calcite                 8 – Topaz
  - 4 – Fluorite                9 – Corundum
  - 5 – Apatite                 10 – Diamond

**TEST RESULTS:**

The Mohs Scratch Hardness was determined to be as follows:

Tile Sample #	Mohs Scratch Hardness
1	7
2	7
3	7

**COMMENTS:** None