



**SMITH-EMERY LABORATORIES**

An Independent Commercial Testing Laboratory, Established 1904

781 E. Washington Boulevard Los Angeles, California 90021 ♦ (213) 749-3411 ♦ Fax (213) 741-8626

Proj. No: 32081-1  
 Lab No: T-02-122 Mohs (3) *Retest*

August

CLIENT: **COMPAC STONE USA, INC.**  
 Attn.: *Jesse Zettel*  
 204 South 3rd Street,  
 Still Water, MN 55082

Subject : **Scratch Resistance Testing for Agglomerated Marble "BLANCO MICRO"**  
 Specification : MOHS Hardness Test (MOHS Scale)  
 Source : Submitted to Laboratory by Client.

**Report of Tests**

**SCRATCH HARDNESS OF SURFACE (MOHS SCALE)**


A sharp angular mineral starting with hardness one (1) on the MOHS Scale is drawn while applying a uniform pressure across the surface of the tile. The highest hardness number with which no scratches visible to the naked eye occur shall be taken as the result of the test.

AREA	SAMPLE NUMBER	MOHS SCALE	MINERAL EQUIVALENT
Top Surface Only	1.	3.0	Calcite
	2.	4.0	Fluorite
	3.	4.0	Fluorite
	4.	4.0	Fluorite
	5.	4.0	Fluorite

MOHS Table

Mohs #	Minera	Mohs #	Minera
1.	Talc	6.	Microcline
2.	Selenite	7.	Quartz
3.	Calcite	8.	Topaz
4.	Fluorite	9.	Corundum
5.	Apatite	10.	Diamond

Respectfully Submitted,  
**SMITH - EMERY LABORATORIES**

  
 P. John Latolait  
 Registered Civil Engineer No. C60312  
 Registration Expires: 6/30/04

- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria For Acceptable Limits.





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Proj. No: 32081-1  
 Lab No: T-02-122 Mohs (2) Retest

August

CLIENT: **COMPAC STONE USA, INC.**  
 Attn.: Jesse Zettel  
 204 South 3rd Street,  
 Still Water, MN 55082

Subject : **Scratch Resistance Testing for Agglomerated Marble "PERLA STONE"**  
 Specification : MOHS Hardness Test (MOHS Scale)  
 Source : Submitted to Laboratory by Client.

Report of Tests

SCRATCH HARDNESS OF SURFACE (MOHS SCALE)

A sharp angular mineral starting with hardness one (1) on the MOHS Scale is drawn while applying a uniform pressure across the surface of the tile. The highest hardness number with which no scratches visible to the naked eye occur shall be taken as the result of the test.

AREA	SAMPLE NUMBER	MOHS SCALE	MINERAL EQUIVALENT
Top Surface Only	1.	4.0	Fluorite
	2.	4.0	Fluorite
	3.	4.0	Fluorite
	4.	4.0	Fluorite
	5.	3.0	Calcite

MOHS Table

Mohs #	Minera	Mohs #	Minera
1.	Talc	6.	Microcline
2.	Selenite	7.	Quartz
3.	Calcite	8.	Topaz
4.	Fluorite	9.	Corundum
5.	Apatite	10.	Diamond

Respectfully Submitted,

**SMITH - EMERY LABORATORIES**

P. John Latolait  
 Registered Civil Engineer No. C60312  
 Registration Expires: 6/30/04

- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria For Acceptable Limits.



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Proj. No: 32081-1  
Lab No: T-02-122 Mohs (6) *Retest*

August

CLIENT: **COMPAC STONE USA, INC.**  
*Attn.: Jesse Zettel*  
204 South 3rd Street,  
Still Water, MN 55082

Subject : **Scratch Resistance Testing for Agglomerated Marble "NEGRO DIAMANTE"**  
Specification : MOHS Hardness Test (MOHS Scale)  
Source : Submitted to Laboratory by Client.

## Report of Tests

### SCRATCH HARDNESS OF SURFACE (MOHS SCALE)

A sharp angular mineral starting with hardness one (1) on the MOHS Scale is drawn while applying a uniform pressure across the surface of the tile. The highest hardness number with which no scratches visible to the naked eye occur shall be taken as the result of the test.

AREA	SAMPLE NUMBER	MOHS SCALE	MINERAL EQUIVALENT
<i>Top Surface Only</i>	1.	3.0	<i>Calcite</i>
	2.	3.0	<i>Calcite</i>
	3.	3.0	<i>Calcite</i>
	4.	2.0	<i>Selenite</i>
	5.	3.0	<i>Calcite</i>

MOHS Table

<i>Mohs #</i>	<i>Mineral</i>	<i>Mohs #</i>	<i>Mineral</i>
1.	Talc	6.	Microcline
2.	Selenite	7.	Quartz
3.	Calcite	8.	Topaz
4.	Fluorite	9.	Corundum
5.	Apatite	10.	Diamond

*Respectfully Submitted,*

**SMITH - EMERY LABORATORIES**

P. John Latiolait  
Registered Civil Engineer No. C60312  
Registration Expires: 6/30/04

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- Materials Tested Comply With Specifications.  
 Materials Tested Did Not Comply With Specifications.  
 No Established Criteria For Acceptable Limits.





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Proj. No: 32081-1  
 Lab No: T-02-122 Mohs (5) *Retest*

August

CLIENT: **COMPAC STONE USA, INC.**  
 Attn.: *Jesse Zettel*  
 204 South 3rd Street,  
 Still Water, MN 55082

Subject : **Scratch Resistance Testing for Agglomerated Marble "PERLATO"**  
 Specification : MOHS Hardness Test (MOHS Scale)  
 Source : Submitted to Laboratory by Client.

**Report of Tests**

**SCRATCH HARDNESS OF SURFACE (MOHS SCALE)**

A sharp angular mineral starting with hardness one (1) on the MOHS Scale is drawn while applying a uniform pressure across the surface of the tile. The highest hardness number with which no scratches visible to the naked eye occur shall be taken as the result of the test.


AREA	SAMPLE NUMBER	MOHS SCALE	MINERAL EQUIVALENT
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<i>Top Surface Only</i>	1.	4.0	<i>Fluorite</i>
	2.	3.0	<i>Calcite</i>
	3.	4.0	<i>Fluorite</i>
	4.	4.0	<i>Fluorite</i>
	5.	3.0	<i>Calcite</i>

**MOHS Table**

Mohs #	Minera:	Moha #	Minera:
1.	Talc	6.	Microcline
2.	Selenite	7.	Quartz
3.	Calcite	8.	Topaz
4.	Fluorite	9.	Corundum
5.	Apatite	10.	Diamond

*Respectfully Submitted,*  
**SMITH - EMERY LABORATORIES**

  
 P. John Latolait  
 Registered Civil Engineer No. C60312  
 Registration Expires: 6/30/04

- Materials Tested Comply With Specifications.
- Materials Tested Did Not Comply With Specifications.
- No Established Criteria For Acceptable Limits.



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Proj. No: 32081-1  
Lab No: T-02-122 Mohs (4) Retest

August 2, 2002

CLIENT: **COMPAC STONE USA, INC.**  
Attn.: Jesse Zettel  
204 South 3rd Street,  
Still Water, MN 55082

Subject : **Scratch Resistance Testing for Agglomerated Marble "MARFIL STONE"**  
Specification : **MOHS Hardness Test (MOHS Scale)**  
Source : Submitted to Laboratory by Client.

Report of Tests

SCRATCH HARDNESS OF SURFACE (MOHS SCALE)

A sharp angular mineral starting with hardness one (1) on the MOHS Scale is drawn while applying a uniform pressure across the surface of the tile. The highest hardness number with which no scratches visible to the naked eye occur shall be taken as the result of the test.

AREA	SAMPLE NUMBER	MOHS SCALE	MINERAL EQUIVALENT
Top Surface Only	1	3.0	Calcite
	2	4.0	Fluorite
	3	3.0	Calcite
	4	4.0	Fluorite
	5	3.0	Calcite

MOHS Table

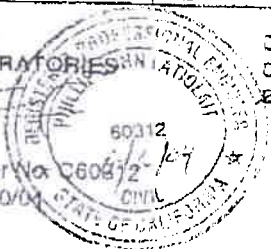
Mohs #	Mineral	Mohs #	Mineral
1.	Talc	6.	Microcline
2.	Selenite	7.	Quartz
3.	Calcite	8.	Tanzanite
4.	Fluorite	9.	Corundum
5.	Apatite	10.	Diamond

Respectfully Submitted,

**SMITH - EMERY LABORATORIES**

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- Materials Tested Did Not Comply With Specifications.
- No Established Criteria For Acceptable Limits.

P. John Laticoleit  
Registered Civil Engineer No. 060872-107  
Registration Expires: 6/30/04



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