

**MODENA CENTRO PROVE s.r.l.**

Sede legale e Laboratori: 41100 Modena (Italy) - Via Sallustio, 78  
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C.C.I.A.A. Modena n. 228587 - Tribunale di Modena n° 2231 - C.F. e P. IVA n. 01592020364

MECCANICA

ECOLOGIA

CERAMICA

ALIMENTARE

Modena, 26/09/2005

To **CERAMICHE ATLAS  
CONCORDE - SPEZZANO**  
VIA CANALETTO 141  
41040 SPEZZANO DI FIORANO (MO)

a c.a. DR. GILIOLI



Certificato n° 50 100  
4582



Diploma IWR/IT n°  
30438

Abilitato per  
autocontrolli alimentari  
DL 530/92 - 537/92 -  
65/93

Notifica UE n°  
01599

all'attività  
di  
certificazione  
CE, ai sensi  
della  
direttiva  
89/106/CE, su  
piastrelle di  
ceramica e  
relativi  
adesivi di  
posa

Riconosciuto dal  
Ministero della Sanità  
per le analisi  
sull'amianto

**MATERIAL and/o SAMPLE to be tested** CERAMIC TILES

**Denomination** SERIE FIBRA

**REQUESTED EXAMINATION** ASTM C 1028

Customer Reference: Your delivery FAX 49 date : 09/09/2005

Here attached, we send you the **Test Report** nr. **20053712**, showing the results requested.

**MODENA CENTRO PROVE**

Laboratory Director  
Sant'Unione dr. Giuseppe



Membro

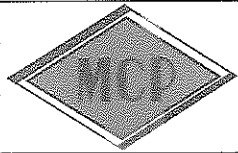


Socio

Unione Industriali  
Modena



Iscritto

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**TEST REPORT: 20053712**

Modena, 26/09/2005

<b>CUSTOMER</b>	<b>CERAMICHE ATLAS CONCORDE - SPEZZANO - VIA CANALETTO 141 - 41040 SPEZZANO DI FIORANO (MO)</b>
<b>MATERIAL and/o SAMPLE to be tested</b>	CERAMIC TILES
<b>Denomination</b>	SERIE FIBRA
<b>Date of sample reception</b>	09/09/2005
<b>Kind of test executed</b>	Determination of static coefficient of friction
<b>Referring standards</b>	(ASTM C 1028)
<b>Shifting from standards</b>	No one
<b>Equipment</b>	Pull Meter MCP C19
<b>Calibration</b>	10.06.04
<b>Third parties work</b>	No one

The test results showing in this report are only referred to the sample taken by us or supplied by the customer. He commits himself to reproduce integrally this document. Partial reproduction is forbidden.

Date of begin of analysis: 14.09.05

Date of the end of analysis: 14.09.05

**DETERMINATION OF STATIC COEFFICIENT OF FRICTION**

(Test method for evaluating the static friction's coefficient of ceramic tile and other like surfaces by the horizontal dynamometer pull meter method, ASTM C 1028)

**SAMPLE:** ceramic tiles named " SERIE FIBRA "

A block of wood with a 3" X 3" X 1.8" section of standard neolite cement liner attached was placed on the surface to be test . A weight was placed on the block of wood.

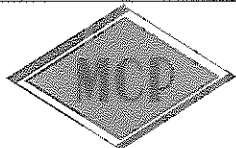
Using a dynamometer, the force in pounds required to cause the test assembly to slip parallel to the test surface was measured.

Four measurements were taken on each of three test surfaces , each measurement perpendicular to the previous one.

The twelve measurements thus obtained were averaged to obtain the static coefficient of friction for each test conditions

TEST CONDITION	N°	N	E	S	W	AVERAGE (Kg)	I.S.C. of friction (*)
DRY NEOLITE	1	16.3	16.4	16.4	16.4		
DRY NEOLITE	2	16.1	15.9	15.7	15.9		
DRY NEOLITE	3	15.9	15.8	15.9	16.0	16.1	0.70
WET NEOLITE	1	13.7	14.1	13.8	14.1		
WET NEOLITE	2	14.3	14.3	14.5	14.3		
WET NEOLITE	3	13.7	13.6	14.2	13.5	14.0	0.66

(\*) : neolite correction factor applied





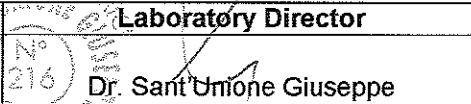
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**REFERENCE VALUES**

The Ceramic Tile Institute identifies tile in the following 3 categories:

1. Anti-slip ( $\geq 0.60$ )
2. Conditionally Slip resistant ( $0.50 \div 0.60$ )
3. Questionable ( $\leq 0.50$ )

Examiner	Ceramic Dept. Responsible	Laboratory Director
 Dr. Ssa Sola Elisabetta	 R. De Pasquale Roberto	 Dr. Sant'Unione Giuseppe

