

Bologna, 11/04/07

TEST REPORT N° 3364/07

(translation of test report Nr. 3363/07 of 11/04/07)

Requested by:	VITREX S.r.L. – Via Moncenisio, 5 – 41049 SASSUOLO (MO)
On (date):	27/02/07
For the sample marked:	Glass mosaic 2 x 2 x 0,4 cm marked "Serie V e M".

EN ISO 10545-13 § 8 - Determination of chemical resistance - Glazed tiles

Test solutions	Class of resistance				
	Test specimen 1	Test specimen 2	Test specimen 3	Test specimen 4	Test specimen 5
Household Chemicals: Ammonium Chloride 100g/l	GA	GA	GA	GA	GA
Swimming pool salts: Sodium hypochlorite 20mg/l	GA	GA	GA	GA	GA
Acids: Hydrochloric acid 3% V/V Citric acid 100g/l	GLA GLA	GLA GLA	GLA GLA	GLA GLA	GLA GLA
Alkali: Potassium Hydroxide 30g/l	GLA	GLA	GLA	GLA	GLA
Acids: Hydrochloric acid 18% V/V Lactic acid 5% V/V	GHA GHA	GHA GHA	GHA GHA	GHA GHA	GHA GHA
Alkali: Potassium Hydroxide 100g/l	GHA	GHA	GHA	GHA	GHA

CLASSIFICATION (Pencil test and/or reflexion test are applicable:)

<i>U: Unglazed tiles</i> <i>G: Glazed tiles</i> <i>L: Low concentration chemicals</i> <i>H: High concentration chemicals</i>	<i>Class A: no visible effect</i> <i>Class B: definitive change in appearance</i> <i>Class C: partial or complete loss of the surface</i>
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Prof. Ing. Giorgio Timellini

Director

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Part. IVA 0094778-0375

Bologna, 11/04/07

Test report Nr° 3369/07

(translation of the test report Nr. 3368/07 of 11/04/07)

Requested by:	VITREX S.r.L. – Via Moncenisio, 5 – 41049 SASSUOLO (MO)
On (date):	27/02/07
For the sample marked:	Glass mosaic 2 x 2 x 0,4 cm marked "Serie V e M".

DIN 51094 - Resistance of the colours to the light

After the test the glazed surface did not show any colour variation.



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Part. IVA 0094778-0375

TEST LABORATORY

Bologna, 11/04/07

TEST REPORT N° 3359/07

(translation of test report Nr. 3358/07 of 11/04/07)

Requested by:	VITREX S.r.L. – Via Moncenisio, 5 – 41049 SASSUOLO (MO)
On (date):	27/02/07
For the sample marked:	Glass mosaic 2 x 2 x 0,4 cm marked "Serie V e M".

EN ISO 10545-12 - Determination of frost resistance

Number of tiles in the test sample:

10

Water content before the freeze-thaw test (%):

0,01

Water content after the freeze-thaw test (%):

0,02

Description of defects before the test:

Damages on the glaze or proper surface and the edges of tiles after the freeze-thaw test:

Number of damaged tiles after 100 cycles from -5°C to +5°C:

0

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Part. IVA 0094778-0375

Bologna, 11/04/07

TEST REPORT N° 3349/07

(translation of test report Nr. 3348/07 of 11/04/07)

Requested by:	VITREX S.r.L. – Via Moncenisio, 5 – 41049 SASSUOLO (MO)
On (date):	27/02/07
For the sample marked:	Glass mosaic 2 x 2 x 0,4 cm marked "Serie V e M".

EN ISO 10545-3 Determination of water absorption by boiling method

Water absorption (%) of each individual tile:

Test specimens	1	2	3	4	5	6	7	8	9	10
E(b)	0,02	0,02	0,00	0,01	0,01	0,01	0,00	0,02	0,01	0,02

E (b) absorption (%):

0,01

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Bologna, 11/04/07

TEST REPORT N° 3354/07

(translation of test report Nr. 3353/07 of 11/04/07)

Requested by:	VITREX S.r.L. - Via Moncenisio, 5 - 41049 SASSUOLO (MO)
On (date):	27/02/07
For the sample marked:	Glass mosaic 2 x 2 x 0,4 cm marked "Serie V e M".

EN ISO 10545-9 - Determination of resistance to thermal shocks

Water absorption (% according to ISO 10545-3):

0,01

Type of test performed: testing with immersion ☒
testing without immersion ☐

Number of test specimens with visible defects:

5

Description of the visible defect:

Cracks.

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