

Requested by:	VITRE S.r.L. – Via Moncenisio, 5 – 41049 SASSUOLO (MO)
On (date):	11/10/07
For the sample marked:	Glass mosaic 2,3 x 2,3 x 0,8 cm marked "MOSAICO IN VETRO METALLICA SATIN 2,3x2,3x0,8 cm".

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(V)	GA(V)	GA(V)	GA(V)	GA(V)
Swimming pool salts: Sodium hypochlorite 20mg/l	GA(V)	GA(V)	GA(V)	GA(V)	GA(V)
Acids: Hydrochloric acid 3% V/V Citric acid 100g/l	GLA(V) GLA(V)	GLA(V) GLA(V)	GLA(V) GLA(V)	GLA(V) GLA(V)	GLA(V) GLA(V)
Alkali: Potassium Hydroxide 30g/l	GLA(V)	GLA(V)	GLA(V)	GLA(V)	GLA(V)
Acids: Hydrochloric acid 18% V/V Lactic acid 5% V/V	GHA(V) GHA(V)	GHA(V) GHA(V)	GHA(V) GHA(V)	GHA(V) GHA(V)	GHA(V) GHA(V)
Alkali: Potassium Hydroxide 100g/l	GHA(V)	GHA(V)	GHA(V)	GHA(V)	GHA(V)

CLASSIFICATION (Pencil test and/or reflexion test are not applicable:)

U: Unglazed tiles

G: Glazed tiles

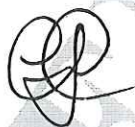
L: Low concentration chemicals

H: High concentration chemicals

Class A(V): no visible effect

Class B(V): definitive change in appearance

Class C(V): partial or complete loss of the surface



Prof. Eng. Giorgio Timellini
Director

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CERTI.CER.

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Part. IVA 0094778-0375

Bologna, 14/11/07

TEST REPORT N° 7215/07

(translation of test report Nr. 7214/07 of 14/11/07)

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EN ISO 10545-7 – Determination of resistance to surface abrasion – Glazed tiles

ABRASION STAGE:

PEI, failure visible at (rev.):

6000

Test solutions	Resistance class (ISO 10545-14)				
	Test specimen 1	Test specimen 2	Test specimen 3	Test specimen 4	Test specimen 5
Stains					
Chrome green in light oil	-----	-----	-----	-----	-----
Iodine (alcoholic solution 13g/l)	-----	-----	-----	-----	-----
Olive oil (def. Olive Oil Agreement - 1979)	-----	-----	-----	-----	-----

CLASSIFICATION:

Abrasion class:

4

Stain resistance class - References

Resistance class 1: Stain not removed.

Resistance class 2: Stain removed by dipping in a suitable solvent for 24 hours.

Resistance class 3: Stain removed by mechanical cleaning and strong cleansing agent.

Resistance class 4: Stain removed by manual cleaning with weak cleansing agent .

Resistance class 5: Stain removed by means of hot current water for 5 min.

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