

PHORMA

gres porcellanato con impasto colorato

porcelain tiles colored body

grès cérame teinté masse















eingefärbtes Feinsteinzeug

caratteristiche tecniche

technical characteristics

caractéristiques techniques

technische Daten

caratteristica tecnica technical characteristic caractéristique technique technische Eigenschaft	norma di riferimento reference standard norme de reference Bezugsnorm	valore richiesto value required valeur requise geforderter Wert	rispondenza alla norma accordance to the norme correspondance à la norme Übereinstimmung mit der Norm
assorbimento d'acqua (E) water absorption (E) absorption d'eau (E) Feuchtigkeitsaufnahme (E)	 ISO 10545-3	$\leq 0,5\%$	conforme according to conformes erfüllt
forza di rottura (S) breaking strength (S) contrainte de rupture (S) Bruchlast (S)	 ISO 10545-4	spessore $\geq 7,5\text{mm}$ $\geq 1300\text{ N}$ spessore $< 7,5\text{mm}$ $\geq 700\text{ N}$	conforme according to conformes erfüllt
resistenza alla flessione (R) bending strength (R) résistance a la flexion (R) Biegefestigkeit (R)	 ISO 10545-4	$\geq 35\text{ N/mm}^2$	conforme according to conformes erfüllt
resistenza all'abrasione superficiale PEI resistance to abrasion PEI résistance à l'abrazion PEI Abriebfestigkeit PEI	 ISO 10545-7	secondo i dati del costruttore according to producer's selon les éléments du constructeur laut Angaben des Herstellers	PEI 4
resistenza agli sbalzi termici thermal shock resistance résistance aux écarts de température Temperaturwechselbeständigkeit	 ISO 10545-9	nessun campione deve presentare difetti visibili no sample must show visible defects aucun échantillon ne doit presenter des défauts visibles Kein Exemplar soll sichtbare Schäden aufweisen	conforme according to conformes erfüllt
resistenza al gelo frost resistance résistance au gel Frostbeständigkeit	 ISO 10545-12	resistenti resistant résistants Widerstandsfähig	resistenti resistant résistants Widerstandsfähig
fattore di resistenza alla scivolosità anty - slip properties gré de résistance à la glissance Rutschfestigkeit	 DIN 51130	secondo i dati del costruttore according to producer's selon les éléments du constructeur laut Angaben des Herstellers	R10
fattore di resistenza alla scivolosità anty - slip properties gré de résistance à la glissance Rutschfestigkeit	 DIN 51097	secondo i dati del costruttore according to producer's selon les éléments du constructeur laut Angaben des Herstellers	B
fattore di resistenza alla scivolosità anty - slip properties gré de résistance à la glissance Rutschfestigkeit	 B.C.R.A.	secondo i dati del costruttore according to producer's selon les éléments du constructeur laut Angaben des Herstellers	DRY: $\mu > 0,40$ WET: $\mu > 0,40$
caratteristiche dimensionali size characteristics caractéristiques dimensionelle Masseigenschaften	 ISO 10545-2	lunghezza e larghezza / length and width / longueur et largeur $\pm 0,6\%$ (max $\pm 2\text{ mm}$) spessore / thickness / épaisseur / Stärke / толщина $\pm 5\%$ (max $\pm 0,5\text{ mm}$) ortogonalità / wedging / orthogonalité $\pm 0,5\%$ (max $\pm 2\text{ mm}$) planarità / flatness / planéité / Ebenflächigkeit / плоскостность $\pm 0,5\%$ (max 2mm)	conforme according to conformes erfüllt
coefficiente di dilatazione termica lineare linear thermal expansion coefficient coefficient de expansion térmica linear Wärmeausdehnungskoeffizient	 ISO 10545-8	metodo di prova disponibile test method available méthode d'essai disponible Verfügbare Prüfmethode	$\alpha \leq 7 \times 10^{-6}/^{\circ}\text{C}$
resistenza ai prodotti chimici resistance to chemicals résistance aux produits chimiques Beständigkeit gegen Chemikalien	 ISO 10545-13	min. B	conforme according to conformes erfüllt
resistenza alle macchie stain resistance résistance aux taches Beständigkeit gegen Flecken	 ISO 10545-14	min. 3	conforme according to conformes erfüllt
durezza superficiale secondo scala Mohs scratch hardness of surface according to Mohs	 EN 101 BS 6431 part 13	≥ 5	6

Secondo la norma EN 14411 (ISO 13006) metodi di prova UNI EN ISO 10545 Appendice G per piastrelle ceramiche pressate a secco a basso assorbimento d'acqua E $\leq 0,5\%$ Gruppo BIa.

Following the EN 14411 (ISO 13006) norms and test cases UNI ISO 10545 appendix G for ceramic tiles dry pressed with low water absorption E $\leq 0,5\%$ group BIa.

Selon les normes EN 14411 (ISO 13006) méthodes d'essais UNI EN ISO 10545 Appendice G pour carreaux céramiques pressés à sec, à basse absorption d'eau E $\leq 0,5\%$ groupe BIa.

Nach der Norm EN 14411 (ISO 13006) Prüfmethode UNI EN ISO 10545 Zulage G für trockenengepresste Fliesen mit niedriger Wasseraufnahme E $\leq 0,5\%$ Gruppo BIa.

Laboratorio prove, Centro di Ricerca, Sperimentazione, Consulenza e Controllo qualità

Main Laboratory Sassuolo S.r.l. - Via F.lli Setti, 7 - 42019 Scandiano - Reggio Emilia (Italy) Cod.Fisc. e P.IVA 03164360368
Tel: 0522 982603 Fax: 0522 852834 E-mail: info@mainlaboratorysassuolo.it Web: www.mainlaboratorysassuolo.it

TEST REPORT n. 4302/2020/I

**TESTING OF FLOOR COVERINGS - DETERMINATION OF THE ANTI-SLIP PROPERTY -
WORKROOMS AND FIELDS OF ACTIVITIES WITH SLIP DANGER - WALKING METHOD - RAMP TEST
DIN 51130:2014**

Date of report:	10/28/2020
Customer:	GRUPPO CERAMICHE GRESMALT S.p.A. Via Statale 467, 45 42013 Casalgrande (RE)
Requested on:	10/16/2020
Our ref.number:	28658
Execution place of tests:	Scandiano (RE)
Description of the sample:	"Size panel 50x100 cm lined with ceramic tiles 80,2x80,2 cm marked: Phorma 802 musk ret tono J48C"
Sampling:	carried out by the customer
Receipt date of samples:	10/16/2020
Execution date of tests:	start: 10/26/2020 end: 10/26/2020
Test specification:	DIN 51130-2014 Testing of floor coverings - Determination of the anti-slip property - Workrooms and fields of activities with slip danger - Walking method - Ramp test
Warnings:	<i>This test report can not be reproduced in part, without our written consent. The reported results relate only to the samples tested. The information included in quotation marks was provided by the customer.</i>

TEST REPORT n. 4302/2020/I

**TESTING OF FLOOR COVERINGS - DETERMINATION OF THE ANTI-SLIP PROPERTY -
WORKROOMS AND FIELDS OF ACTIVITIES WITH SLIP DANGER - WALKING METHOD - RAMP TEST
DIN 51130:2014**

Purpose:

The procedure conforms to this standard serves as proof of eligibility for the detection and assessment of anti-slip properties of floor coverings, its use in work rooms and operating areas at high risk of slipping.

The anti-slip properties is the ability of a coating to oppose the slip of the floor.

Surface characteristics:

Flat

Angle of slip:

$\alpha = 13,8^\circ$

Classification:

$\alpha < 6$	$6 \leq \alpha \leq 10$	$10 < \alpha \leq 19$	$19 < \alpha \leq 27$	$27 < \alpha \leq 35$	$\alpha > 35$
U	R9	R10	R11	R12	R13
-	-	X	-	-	-

U = Unclassifiable



The Director
Giulia Gaido

End of the document