

















## Caratteristiche/Features/Caracteristiques/Eigenschaften/Eigenschappen/Características Gres Fine Porcellanato – EN 14411 ISO 13006 Gruppo Bla Annex G

|                                                                                     | Regulation                                                                                                                                                                                                                                                                                  | Required standards                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Refin Value                                                                                                                                                                                                                                               |
|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    | Dimensioni/Sizes/Dimensions/<br>Abmessungen/Afmetingen/<br>Dimensiones<br>UNI EN ISO<br>10545/2                                                                                                                                                                                             | Non rettificato<br>Not rectified<br>Rettificato<br>Rectified<br>→ Lunghezza e larghezza/Length and width/Longueur et<br>largeur/Länge und Breite/Lengte en breedte/Longitud<br>y anchura<br>→ Spessore/Thickness/Epaisseur/<br>Stärke/Dicke/Grosor<br>→ Rettineità spigoli/Linearity/Rectitude des arêtes/<br>Kantengeradheit/Rechtheid kanten/Rectitud de los<br>lados<br>→ Ortogonalità/Wedging/Orthogonalité/Rechtwinkligkei/<br>Haaksheid hoeken/Ortogonalidad<br>→ Planarità/Warpage/Planéité/Ebenflächigkeit/<br>Vlakheid/Planitud | ± 0,6 %<br>max 2mm<br>± 5 %<br>max 0,5mm<br>± 0,5 %<br>max 1,5mm<br>± 0,5 %<br>max 2mm<br>± 0,5 %<br>max 2mm<br>± 0,3 %<br>max 1mm<br>± 5 %<br>max 0,5mm<br>± 0,3 %<br>max 0,8mm<br>± 0,3 %<br>max 1,5mm<br>± 0,4 %<br>max 1,8mm<br>Conforme<br>Compliant |
|    | Assorbimento acqua/Water<br>absorption/Absorption d'eau/<br>Wasseraufnahme/Waterabsorptie/<br>Absorción de agua<br>UNI EN ISO<br>10545/3                                                                                                                                                    | ≤ 0,5 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 0,2%                                                                                                                                                                                                                                                      |
|   | Resistenza alla flessione/Flexual<br>Strength/Résistance à la flexion/<br>Biegefestigkeit/Buigvastheid/<br>Resistencia a la flexión<br>UNI EN ISO<br>10545/4                                                                                                                                | ≥ 35 N/mm <sup>2</sup><br>S ≥ 1300 N (thickness ≥ 7,5 mm)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Conforme<br>Compliant<br>Conforme<br>Compliant                                                                                                                                                                                                            |
|  | Coefficiente di restituzione (COR)/<br>Coefficient of restitution (COR)/<br>Coefficient de restitution (COR)/<br>Schlagfestigkeit (COR)/<br>Restitutiecoëfficiënt (COR)/<br>Coeficiente de restitución (COR)<br>UNI EN ISO<br>10545/5                                                       | Valore consigliato ≥ 0,55/<br>Recommended value ≥ 0,55/<br>Valeur recommandée ≥ 0,55/<br>Empfohlener Wert ≥ 0,55/<br>Aanbevolen waarde ≥ 0,55/<br>Rvalor recomendado ≥ 0,55                                                                                                                                                                                                                                                                                                                                                              | Conforme<br>Compliant                                                                                                                                                                                                                                     |
|  | Resistenza all'abrasione profonda/<br>Deep abrasion resistance/Resistance<br>à l'abrasion/<br>Widerstand gegen Tiefenverschleiß/<br>Weerstand tegen afschuren/<br>Resistencia a la abrasión profunda<br>UNI EN ISO<br>10545/6                                                               | ≤ 175 mm <sup>3</sup>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Conforme<br>Compliant                                                                                                                                                                                                                                     |
|  | Resistenza all'abrasione/<br>Abrasion resistance/<br>Résistance à l'abrasion/<br>Abriebbeständigkeit/<br>Weerstand tegen afschuring/<br>Resistencia a la abrasión<br>UNI EN ISO<br>10545/7                                                                                                  | PEI<br>Solo per piastrelle smaltate / Only for glazed tiles                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                                                                                                                                                                                                                                           |
|  | Coefficiente di dilatazione termica<br>lineare/Coefficient of thermal<br>linear expansion/Coefficient de<br>dilatation thermique linear/Linearer<br>Wärmeausdehnungskoeffizient/<br>Lineaire thermische uitzetting/<br>Coeficiente de dilatación termica<br>linear<br>UNI EN ISO<br>10545/8 | Metodo di prova disponibile/Tests method available/<br>Methode d'essai disponible/Verfügbares/Prüfverfahren/<br>Testmethode beschikbaar/Método de prueba disponible                                                                                                                                                                                                                                                                                                                                                                      | ≤ 7 · MK <sup>-1</sup>                                                                                                                                                                                                                                    |
|  | Resistenza agli sbalzi termici/<br>Thermal shock resistance/Resistance<br>aux écarts<br>de température/<br>Temperaturwechselbeständigkeit/<br>Temperatuurswisselingen/Resistencia<br>al choque térmico<br>UNI EN ISO<br>10545/9                                                             | Nessun campione deve presentare difetti visibili/<br>No sample must show visible defects/<br>Aucun échantillon ne doit présenter des défauts visibles/<br>Kein Exemplar darf sichtbare Schäden aufweisen/<br>Geen enkel monster mag zichtbare gebreken vertonen/<br>Ninguna muestra debe presentar defectos visibles                                                                                                                                                                                                                     | Conforme<br>Compliant                                                                                                                                                                                                                                     |
|  | Dilatazione all'umidità/Moisture<br>expansion/Dilatation à l'humidité/<br>Feuchtigkeitsausdehnung/Uitzetting<br>door vocht/Dilatación por la humedad<br>UNI EN ISO<br>10545/10                                                                                                              | Metodo di prova disponibile/Tests method available/<br>Methode d'essai disponible/Verfügbares/Prüfverfahren/<br>Testmethode beschikbaar/Método de prueba disponible                                                                                                                                                                                                                                                                                                                                                                      | ≤ 0,01 %<br>(0,1 mm/m)                                                                                                                                                                                                                                    |
|  | Resistenza al fuoco/<br>Fire resistance/<br>Résistance au feu/<br>Brandverhalten/<br>Brand weerstand/<br>Resistencia al fuego<br>UNI EN ISO<br>13501-1                                                                                                                                      | Dichiarare un valore / Declare a value<br>Classe A1 oppure A <sub>10</sub> / Class A1 or A <sub>10</sub>                                                                                                                                                                                                                                                                                                                                                                                                                                 | A <sub>10</sub>                                                                                                                                                                                                                                           |
|  | Resistenza al gelo/Frost resistance/<br>Résistance au gel/Frostbeständigkeit/<br>Vorstandfestigkeit/<br>Resistencia a la helada<br>UNI EN ISO<br>10545/12                                                                                                                                   | Resistenti/Resistant/Resistants/<br>Widerstandsfähig/<br>Weerbaarstig/Resistentes                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Conforme<br>Compliant                                                                                                                                                                                                                                     |

\* Per piastrelle rettangolari, che abbiano il lato maggiore L ≥ 60 cm, e rapporto tra i lati ≥ 3, la misurazione della ortogonalità deve venire condotta solo sul lato corto.  
For oblong tiles with L ≥ 60 cm and ratio length/width L/W ≥ 3, measurement of rectangularity only on short edges

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|                                                                                                                                                                                                                                                                                                                                                                                               | Regulation                                                                                                                                                          | Required standards                                                                                                                                                                           | Refin Value           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|
|  <p><b>Resistenza all'attacco chimico/</b><br/>Chemical resistance/Resistance<br/>à l'attaque chimique/Beständigkeit<br/>gegen Chemikalien/Chemische<br/>bestandheid/Resistencia al ataque<br/>químico</p>                                                                                                   | UNI EN ISO<br>10545/13                                                                                                                                              |                                                                                                                                                                                              |                       |
|                                                                                                                                                                                                                                                                                                                                                                                               | Resistenza ai<br>prodotti chimici<br>di uso domestico<br>ed agli additivi<br>per piscina /<br>Resistance<br>to household<br>chemicals and<br>swimming pool<br>salts | Classe minima B (GB per piastrelle smaltate) /<br>Minimum class B (GB for glazed tiles)<br><br>Classe minima B (UB per piastrelle non smaltate) /<br>Minimum class B (UB for unglazed tiles) | Conforme<br>Compliant |
|                                                                                                                                                                                                                                                                                                                                                                                               | Resistenza<br>a basse<br>concentrazioni<br>di acidi e alcali /<br>Resistance to low<br>concentrations of<br>acids and alkalis                                       | Dichiarare una classe / Declare a class<br><br>Metodo di prova disponibile / Tests method available                                                                                          | ULA                   |
|                                                                                                                                                                                                                                                                                                                                                                                               | Resistenza ad alte<br>concentrazioni<br>di acidi e alcali /<br>Resistance to high<br>concentrations of<br>acids and alkalis                                         | Dichiarare una classe / Declare a class<br><br>Metodo di prova disponibile / Tests method available                                                                                          | UHA                   |
|  <p><b>Resistenza alle macchie/Stain<br/>resistance/Insensibilité aux taches/<br/>Beständigkeit gegen Fleckenbildner/<br/>Substanzen/Weerstand tegen vlekken/<br/>Resistencia a las manchas</b></p>                                                                                                        | UNI EN ISO<br>10545/14                                                                                                                                              | UGL Dichiarare un valore / UGL Declare a value                                                                                                                                               | Classe 5<br>Class 5   |
|                                                                                                                                                                                                                                                                                                                                                                                               |                                                                                                                                                                     | GL ≥ 3                                                                                                                                                                                       |                       |
|  <p><b>Cessione di piombo e cadmio/<br/>Lead and cadmium discharge/<br/>Perte de plomb et cadmium/<br/>Abgabe von Blei und Cadmium/<br/>Ontdaan van lood en cadmium/<br/>Cesión de plomo y cadmio</b></p>                                                                                                  | UNI EN ISO<br>10545/15                                                                                                                                              | Valore dichiarato per piastrelle GL / Declared value for GL tiles                                                                                                                            |                       |
|  <p><b>Indicazione di resistenza allo<br/>scivolamento/Assessment<br/>of slip resistance/Indication<br/>de la résistance au glissement/<br/>Bestimmung der Trittsicherheit/<br/>Indicatie voor de slipvastheid/<br/>Indicación de resistencia al<br/>deslizamiento</b></p>                                 | DIN 51130                                                                                                                                                           | Dichiarare un valore (R) / Declare a value (R)                                                                                                                                               | R10<br>R11 OUT20      |
|                                                                                                                                                                                                                                                                                                                                                                                               | DIN 51097                                                                                                                                                           | Dichiarare un valore (A+B+C) / Declare a value (A+B+C)                                                                                                                                       |                       |
|                                                                                                                                                                                                                                                                                                                                                                                               | BS 7976-2:2002<br>(CEN/TS 16165,<br>Annex C)<br>Pendulum Friction<br>Test                                                                                           | Dichiarare un valore / Declare a value                                                                                                                                                       |                       |
|  <p><b>Coefficiente di attrito dinamico/<br/>Measurement of dynamic coefficient<br/>of friction/Mesure du coefficient de<br/>frottement dynamique/Messung des<br/>dynamischen Reibungskoeffizienten/<br/>Meting van de dynamische<br/>wrijvingscoëfficiënt/Coefficiente de<br/>rozamiento dinámico</b></p> | B.C.R.A. Rep.<br>CEC/81                                                                                                                                             | Asciutto > 0,40 / Bagnato > 0,40                                                                                                                                                             | Conforme<br>Compliant |
|                                                                                                                                                                                                                                                                                                                                                                                               | ANSI A137.1-<br>2012 (BOT3000)                                                                                                                                      | > 0,42 Wet                                                                                                                                                                                   | Conforme<br>Compliant |