



















12 mm / PORCELAIN TILE WITH GLASS FIBRE MAT BACKING

	Test method	Reference value	Declared value	
	Colours resistance to fading	DIN-51094	-	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Impact resistance	ISO 14617-9	-	average value 3,03 J
	Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)	DCOF	>0,42 wet	>0,42 wet MATTE
	SRI - Solar reflectance index	In-house test method	Illuminante D65 / Illuminant D65 / Illuminant D65 / Leuchtkörper D65 / Illuminante D65/ Источник света D65- Illuminante A / Illuminant A / Illuminant A / Leuchtkörper A / Illuminante A / Источник света A - Spettrofotometro a 10°/ Spectrophotometer at 10°/ Spectrophotomètre à 10° Spektralphotometer bei 10°/ Espectrofotómetro a 10 °C / Спектрофотометр под углом 10°	available on request
	Moisture expansion	ISO-10545-10	Valore dichiarato/ Declared value / Valeur déclarée / Erklärter Wert / Valor declarado / Заявленное значение	0,1 mm/m
	Frost resistance	ISO-10545-12	Richiesta / Required / Requisite / Gefordert / Requerida	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULB GLOSSY
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULA-ULB MATTE
	Resistance to domestic chemicals and additives for swimming pools	ISO-10545-13	UB minimo / UB minimum / UB minimum / UB mindestens / UB minimo	UA
	Resistance to staining	ISO-10545-14	-	Cl. 5 MATTE
	Resistance to staining	ISO-10545-14	-	Cl. 3-4 GLOSSY
	Determinazione della cessione di piombo e cadmio	ISO-10545-15	-	ASSENTE / ABSENT / ABSENT/ ABWESEND / AUSENTE / несуществующее

Flatness (centre curvature / edge

Squadrato ISO 13006 - ±0,4% (±1,8

	curvature / warpage)	ISO-10545-2	mm)	± 0,35%
	Admitted deviation, in %, of the average thickness of each tile from the production dimensions	ISO-10545-2	±5% (±0,5 mm)	± 5%
	Surface quality	ISO-10545-2	Il 95% min delle piastrelle deve essere esente da difetti visibili / At least 95% of the tiles must be free from visible flaws / 95% min des carreaux ne doivent présenter aucun défaut visible / Mindestens 95% der Fliesen müssen frei von sichtbaren / mín. el 95% de las baldosas tiene que estar exento de defectos visibles	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Amount of water absorbed, in percentage	ISO-10545-3	E≤0,5%	average value 0,08%
	Bending strength in N/mm2	ISO-10545-4	>35 N/mm2	average value 53 N/mm2*
	Breaking strength in N (thickness >= 7,5 mm)	ISO-10545-4	≥1300 Newton	average value 5000 N*
	Compression strength	ASTM-C170M-16	Carico di rottura a compressione su campioni di misura 12x12x12 mm / Breaking load on 12x12x12 mm samples / Charge de rupture à la compression sur des échantillons de dimensions 12x12x12 mm / Zugfestigkeit bei Druck auf Mustern mit den Abmessungen 12x12x12 mm / Carga de rotura por compresión en muestras de 12 x 12 x 12 mm. / Разрушающая нагрузка при сжатии образцов размером 12x12x12 мм.	Tensione a rottura 527,9 Mpa deformazione campioni 0,86mm / Tensile strength 527.9 Mpa sample deformation 0.86 mm. / Tension à la rupture 527,9 Mpa déformation échantillons 0,86 mm. / Bruchspannung 527,9 MPa / Verformung der Muster 0,86 mm. / Tensión de rotura 527,9 Mpa, deformación muestras 0,86 mm. / Разрушающее напряжение 527,9 МПа, деформация образцов 0,86 мм.
	Fungal resistance	ASTM-G-21-15	Contatto per 28 giorni con diversi ceppi fungini / Contact for 28 days with a variety of fungal strains / Contact pendant 28 jours avec différentes souches fongiques / 28 Tage Kontakt mit verschiedenen Pilzarten / Contacto durante 28 días con diferentes cepas de hongos / Контакт с разными видами грибов в течение 28 дней.	Nessuna crescita fungina in superficie / No growth on the surface / Aucun développement fongique en surface / Kein Pilzwachstum auf der Oberfläche / Ningún crecimiento de hongos en la superficie / Полное отсутствие роста грибов на поверхности
	Resistance to deep abrasion of unglazed tiles	ISO-10545-6	<175 mm3	average value 140 mm3
	Coefficient of restitution	ISO-10545-5	-	average value 0,91 - no surface damage
	Thermal shock resistance	ISO-10545-9	-	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ

Contact with food	UNI-EN-1186:2003	Contatto con diversi solventi per 2 ore a 40° / Contact with solvents for 2 hours at 40° / Contact avec différents solvants pendant 2 heures à 40° / 2 Stunden langer Kontakt mit verschiedenen Lösungsmitteln bei 40° / Contacto con diferentes solventes durante 2 horas a 40 °C / Контакт с разными растворителями в течение 2 часов при 40°	available on request
Tendency to retain dirt	UNI-9300:2015	Macchiante Nero carbone / Carbon black staining agent / Tachant noir carbone / Färbemittel kohlen schwarz / Manchador: negro carbón / Пачкающее вещество - угольная сажа	No visible change
Resistance to dry heat	UNI-EN-12722:2013	cicli da 55° a 180° / 55° to 180° cycles / Cycles de 55° à 180° / Zyklen von 55° bis 180° / Ciclos de 55 °C a 180 °C / Циклы от 55° до 180°	No visible change CEN TS 16209 Cl. A
Resistance to damp heat	UNI-EN-12721:2013	cicli da 55° a 100° / 55° to 100° cycles / Cycles de 55° à 100° / Zyklen von 55° bis 100° / Ciclos de 55 °C a 100 °C / Циклы от 55° до 100°.	No visible change CEN TS 16209 Cl. A
Volatile organic compound emission tests	UNI-EN-ISO-16000-9	28 giorni di condizionamento / 28 days of conditioning / 28 jours de conditionnement / 28 Tage Aufbereitung / 28 días de acondicionamiento / 28 дней кондиционирования.	Cl. A+
Scratch resistance	UNI-EN-15186:2012-MET.B	Carico > 10N / Load > 10N / Charge > 10 N / Belastung > 10N / Carga > 10 N / Нагрузка > 10H	Cl. A MATTE
Reaction-to-fire performance	UNI-EN-13501-1	-	Cl. BFI-s1,d0
Static load for raised floors	UNI-EN-ISO-12825	-	average value: lateral midpoint 1,925 kN - center 3,545 kN
Resistance to cold liquids	UNI-EN-12720:2013	tempi di contatto da 10 s a 24h / Period of contact 10s to 24 h / Temps de contact de 10 s à 24 h / Kontaktzeit von 10 s bis 24h / Tiempos de contacto de 10 s a 24 h / Время воздействия от 10 с до 24 ч.	CEN TS 16209 Cl. B










Note:

*Measurement made on 60x60cm size

Length and width, orthogonality and straightness are not applicable since the material is NOT rectified










-

6 mm / PORCELAIN TILE WITH GLASS FIBRE MAT BACKING

	Test method	Reference value	Declared value	
	Colours resistance to fading	DIN-51094	-	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Impact resistance	ISO 14617-9	-	average value 3,16 J
	Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)	DCOF	>0,42 wet	>0,42 wet MATTE
	SRI - Solar reflectance index	In-house test method	Illuminante D65 / Illuminant D65 / Illuminant D65 / Leuchtkörper D65 / Illuminante D65/ Источник света D65- Illuminante A / Illuminant A / Illuminant A / Leuchtkörper A / Illuminante A / Источник света A - Spettrofotometro a 10°/ Spectrophotometer at 10°/ Spectrophotomètre à 10°/ Spektralphotometer bei 10°/ Espectrofotómetro a 10 °C / Спектрофотометр под углом 10°	available on request
	Moisture expansion	ISO-10545-10	Valore dichiarato/ Declared value / Valeur déclarée / Erklärter Wert / Valor declarado / Заявленное значение	0,1 mm/m
	Frost resistance	ISO-10545-12	Richiesta / Required / Requite / Gefordert / Requerida	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULB GLOSSY
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULA-ULB MATTE
	Resistance to domestic chemicals and additives for swimming pools	ISO-10545-13	UB minimo / UB minimum / UB minimum / UB mindestens / UB minimo	UA
	Resistance to staining	ISO-10545-14	-	Cl. 5 MATTE
	Resistance to staining	ISO-10545-14	-	Cl. 3-4 GLOSSY
	Determinazione della cessione di piombo e cadmio	ISO-10545-15	-	ASSENTE / ABSENT / ABSENT/ ABWESEND / AUSENTE / несуществующее

Flatness (centre curvature / edge

Squadro ISO 13006 - ±0,4% (±1,8

	curvature / warpage)	ISO-10545-2	mm)	± 0,35%
	Admitted deviation, in %, of the average thickness of each tile from the production dimensions	ISO-10545-2	±5% (±0,5 mm)	± 5%
	Surface quality	ISO-10545-2	Il 95% min delle piastrelle deve essere esente da difetti visibili / At least 95% of the tiles must be free from visible flaws / 95% min des carreaux ne doivent présenter aucun défaut visible / Mindestens 95% der Fliesen müssen frei von sichtbaren / mín. el 95% de las baldosas tiene que estar exento de defectos visibles	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Amount of water absorbed, in percentage	ISO-10545-3	E≤0,5%	average value 0,08%
	Bending strength in N/mm2	ISO-10545-4	>35 N/mm2	average value 54,5 N/mm2*
	Breaking strength in N (thickness < 7,5 mm)	ISO-10545-4	≥700 Newton	average value 1556 N*
	Compression strength	ASTM-C170M-16	Carico di rottura a compressione su campioni di misura 12x12x12 mm / Breaking load on 12x12x12 mm samples / Charge de rupture à la compression sur des échantillons de dimensions 12x12x12 mm / Zugfestigkeit bei Druck auf Mustern mit den Abmessungen 12x12x12 mm / Carga de rotura por compresión en muestras de 12 x 12 x 12 mm. / Разрушающая нагрузка при сжатии образцов размером 12x12x12 мм.	Tensione a rottura 527,9 Mpa deformazione campioni 0,86mm / Tensile strength 527.9 Mpa sample deformation 0.86 mm. / Tension à la rupture 527,9 Mpa déformation échantillons 0,86 mm. / Bruchspannung 527,9 MPa / Verformung der Muster 0,86 mm. / Tensión de rotura 527,9 Mpa, deformación muestras 0,86 mm. / Разрушающее напряжение 527,9 МПа, деформация образцов 0,86 мм.
	Fungal resistance	ASTM-G-21-15	Contatto per 28 giorni con diversi ceppi fungini / Contact for 28 days with a variety of fungal strains / Contact pendant 28 jours avec différentes souches fongiques / 28 Tage Kontakt mit verschiedenen Pilzarten / Contacto durante 28 días con diferentes cepas de hongos / Контакт с разными видами грибов в течение 28 дней.	Nessuna crescita fungina in superficie / No growth on the surface / Aucun développement fongique en surface / Kein Pilzwachstum auf der Oberfläche / Ningún crecimiento de hongos en la superficie / Полное отсутствие роста грибов на поверхности
	Coefficient of restitution	ISO-10545-5	-	average value 0,88 - no surface damage
	Resistance to deep abrasion of unglazed tiles	ISO-10545-6	<175 mm3	average value 140 mm3
	Thermal shock resistance	ISO-10545-9	-	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ

Tendency ro retain dirt	UNI-9300:2015	Macchiante Nero carbone / Carbon black staining agent / Tachant noir carbone / Färbemittel kohlen schwarz / Manchador: negro carbón / Пачкающее вещество - угольная сажа	No visible change
Resistance to damp heat	UNI-EN-12721:2013	cicli da 55° a 100° / 55° to 100° cycles / Cycles de 55° à 100° / Zyklen von 55° bis 100° / Ciclos de 55 °C a 100 °C / Циклы от 55° до 100°.	No visible change CEN TS 16209 Cl. A
Volatile organic compound emission tests	UNI-EN-ISO-16000-9	28 giorni di condizionamento / 28 days of conditioning / 28 jours de conditionnement / 28 Tage Aufbereitung / 28 días de acondicionamiento / 28 дней кондиционирования.	Cl. A+
Resistance to cold liquids	UNI-EN-12720:2013	tempi di contatto da 10 s a 24h / Period of contact 10s to 24 h / Temps de contact de 10 s à 24 h / Kontaktzeit von 10 s bis 24h / Tiempos de contacto de 10 s a 24 h / Время воздействия от 10 с до 24 ч.	CEN TS 16209 Cl. B
Resistance to dry heat	UNI-EN-12722:2013	cicli da 55° a 180° / 55° to 180° cycles / Cycles de 55° A 180° / Zyklen von 55° bis 180° / Ciclos de 55 °C a 180 °C / Циклы от 55° до 180°	No visible change CEN TS 16209 Cl. A
Reaction-to-fire performance	UNI-EN-13501-1	-	Cl. BFI-s1,d0
Scratch resistance	UNI-EN-15186:2012-MET.B	Carico > 10N / Load > 10N / Charge > 10 N / Belastung > 10N / Carga > 10 N / Нагрузка > 10H	Cl. A MATTE
Contact with food	UNI-EN-1186:2003	Contatto con diversi solventi per 2 ore a 40° / Contact with solvents for 2 hours at 40° / Contact avec différents solvants pendant 2 heures à 40° / 2 Stunden langer Kontakt mit verschiedenen Lösungsmitteln bei 40° / Contacto con diferentes solventes durante 2 horas a 40 °C / Контакт с разными растворителями в течение 2 часов при 40°	available on request











Note:






*Measurement made on 60x60cm size

Length and width, orthogonality and straightness are not applicable since the material is NOT rectified

-

20 mm / FINE PORCELAIN STONEWARE

E.N. 14411-ISO 13006 . Appendix G. Group BIa. UGL		Test method	Reference value	Declared value
	Colours resistance to fading	DIN-51094	-	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Dynamic coefficient of friction (section 9.6 ANSI A 137.1 2012)	DCOF	>0,42 wet	>0,42 wet MATTE
	SRI - Solar reflectance index	In-house test method	Illuminante D65 / Illuminant D65 / Illuminant D65 / Leuchtkörper D65 / Illuminante D65/ Источник света D65- Illuminante A / Illuminant A / Illuminant A / Leuchtkörper A / Illuminante A / Источник света A - Spettrofotometro a 10°/ Spectrophotometer at 10°/ Spectrophotomètre à 10°/ Spektralphotometer bei 10°/ Espectrofotómetro a 10 °C / Спектрофотометр под углом 10°	available on request
	Moisture expansion	ISO-10545-10	Valore dichiarato/ Declared value / Valeur déclarée / Erklärter Wert / Valor declarado / Заявленное значение	0,1 mm/m
	Frost resistance	ISO-10545-12	Richiesta / Required / Requisite / Gefordert / Requerida	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULA MATTE
	Resistance to low concentrations of acids and alkali	ISO-10545-13	Come dichiarato dal produttore / See manufacturer's declaration / Selon déclaration du producteur / Entsprechend der Herstellerangaben / Tal como declara el fabricante	ULB GLOSSY
	Resistance to domestic chemicals and additives for swimming pools	ISO-10545-13	UB minimo / UB minimum / UB minimum / UB mindestens / UB minimo	UA
	Resistance to staining	ISO-10545-14	-	Cl. 3-4 GLOSSY
	Resistance to staining	ISO-10545-14	-	Cl. 5 MATTE
	Determinazione della cessione di piombo e cadmio	ISO-10545-15	-	ASSENTE / ABSENT / ABSENT/ ABWESEND / AUSENTE / несуществующее
	Flatness (centre curvature / edge curvature / warpage)	ISO-10545-2	Squadrato ISO 13006 - ±0,4% (±1,8 mm)	± 0,35%

	Admitted deviation, in %, of the average thickness of each tile from the production dimensions	ISO-10545-2	±5% (±0,5 mm)	± 5%
	Surface quality	ISO-10545-2	Il 95% min delle piastrelle deve essere esente da difetti visibili / At least 95% of the tiles must be free from visible flaws / 95% min des carreaux ne doivent présenter aucun défaut visible / Mindestens 95% der Fliesen müssen frei von sichtbaren / mín. el 95% de las baldosas tiene que estar exento de defectos visibles	CONFORME / CONFORMING / CONFORME / KONFORM / CONFORME / COOTBETCTBYET
	Amount of water absorbed, in percentage	ISO-10545-3	E≤0,5%	average value 0,08%
	Bending strength in N/mm2	ISO-10545-4	>35 N/mm2	average value 52 N/mm2*
	Compression strength	ASTM-C170M-16	Carico di rottura a compressione su campioni di misura 12x12x12 mm / Breaking load on 12x12x12 mm samples / Charge de rupture à la compression sur des échantillons de dimensions 12x12x12 mm / Zugfestigkeit bei Druck auf Mustern mit den Abmessungen 12x12x12 mm / Carga de rotura por compresión en muestras de 12 x 12 x 12 mm. / Разрушающая нагрузка при сжатии образцов размером 12x12x12 мм.	Tensione a rottura 527,9 Mpa deformazione campioni 0,86mm / Tensile strength 527.9 Mpa sample deformation 0.86 mm. / Tension à la rupture 527,9 Mpa déformation échantillons 0,86 mm. / Bruchspannung 527,9 MPa / Verformung der Muster 0,86 mm. / Tensión de rotura 527,9 Mpa, deformación muestras 0,86 mm. / Разрушающее напряжение 527,9 МПа, деформация образцов 0,86 мм.
	Fungal resistance	ASTM-G-21-15	Contatto per 28 giorni con diversi ceppi fungini / Contact for 28 days with a variety of fungal strains / Contact pendant 28 jours avec différentes souches fongiques / 28 Tage Kontakt mit verschiedenen Pilzarten / Contacto durante 28 días con diferentes cepas de hongos / Контакт с разными видами грибков в течение 28 дней.	Nessuna crescita fungina in superficie / No growth on the surface / Aucun développement fongique en surface / Kein Pilzwachstum auf der Oberfläche / Ningún crecimiento de hongos en la superficie / Полное отсутствие роста грибков на поверхности
	Resistance to deep abrasion of unglazed tiles	ISO-10545-6	<175 mm3	average value 140 mm3
	Thermal shock resistance	ISO-10545-9	-	RESISTE / RESISTANT / RÉSISTE / ERFÜLLT / RESISTE / УСТОЙЧИВ
	Tendency ro retain dirt	UNI-9300:2015	Macchiante Nero carbone / Carbon black staining agent / Tachant noir carbone / Färbemittel kohlen schwarz / Manchador: negro carbón / Пачкающее вещество - угольная сажа	No visible change
	Resistance to damp heat	UNI-EN-12721:2013	cicli da 55° a 100° / 55° to 100° cycles / Cycles de 55° à 100° / Zyklen von 55° bis 100° / Ciclos de 55 °C a 100 °C / Циклы от 55° до 100°.	No visible change CEN TS 16209 Cl. A
		UNI-EN-	Carico > 10N / Load > 10N / Charge >	Cl. A

Scratch resistance	15186:2012-MET.B	10 N / Belastung > 10N / Carga > 10 N / Нагрузка > 10H	MATTE
Static load for raised floors	UNI-EN-ISO-12825	Applicazione di un carico puntuale crescente fino a cedimento del campione / Application of increasing load until sample until failure is obtained. / Application d'une charge croissante jusqu'à la rupture de l'échantillon / Aufbringen einer ansteigenden punktförmigen Belastung bis zur Senkung des Musters / Aplicación de una carga puntual creciente hasta la rotura de la muestra / Нанесение возрастающей точечной нагрузки	average value: lateral midpoint 7,21kN - center 8,69 kN - diagonal 12,13 kN
Reaction-to-fire performance	UNI-EN-13501-1	Decisione 96/603/CE e sue modifiche / Decision 96/603/EC and amendments / Décision n° 96/603/CE et ses modifications / Beschluss 96/603/EG und seine Aenderungen / Decisión 96/603/CE y sus modificaciones / Решение 96/603/EC и соответствующие изменения	Cl. A1 - A1 fl
Volatile organic compound emission tests	UNI-EN-ISO-16000-9	28 giorni di condizionamento / 28 days of conditioning / 28 jours de conditionnement / 28 Tage Aufbereitung / 28 días de acondicionamiento / 28 дней кондиционирования.	Cl. A+
Resistance to cold liquids	UNI-EN-12720:2013	tempi di contatto da 10 s a 24h / Period of contact 10s to 24 h / Temps de contact de 10 s à 24 h / Kontaktzeit von 10 s bis 24h / Tiempos de contacto de 10 s a 24 h / Время воздействия от 10 с до 24 ч.	CEN TS 16209 Cl. B
Resistance to dry heat	UNI-EN-12722:2013	cicli da 55° a 180° / 55° to 180° cycles / Cycles de 55° À 180° / Zyklen von 55° bis 180° / Ciclos de 55 °C a 180 °C / Циклы от 55° до 180°	No visible change CEN TS 16209 Cl. A
Contact with food	UNI-EN-1186:2003	Contatto con diversi solventi per 2 ore a 40° / Contact with solvents for 2 hours at 40° / Contact avec différents solvants pendant 2 heures à 40° / 2 Stunden langer Kontakt mit verschiedenen Lösungsmitteln bei 40° / Contacto con diferentes solventes durante 2 horas a 40 °C / Контакт с разными растворителями в течение 2 часов при 40°	Available on request CEN TS 16209 Cl. A

Note:

Length and width, orthogonality and straightness are not applicable since the material is NOT rectified

-