

STONEGLASS®

Основные технические характеристики материалов
и сертификация продукции

Основные технические характеристики материалов STONEGLASS®

Размеры	<p>белый - Max 3060x1640 мм - Min 2660x1340 мм</p> <p>черный - Max 2440x1920 мм - Min 2440x1700 мм</p>
Толщина	<p>белый - 12мм – 18мм – 30мм черный - 18 мм серый - 18 мм 3D - 18 мм</p>
Прочность на изгиб UNI EN 14617-2:2008	<p>полы, лестницы (наружные/внутренние) – F3 стены наружные – R_{tf} [MPa]=42,3</p>
Абсорбция (коэффициент поглощения)	<p>полы, лестницы (наружные/внутренние) – W3 стены наружные/внутренние – 0,003%</p>
Стойкость к истиранию EN 14157	A=16,7 мм
Класс пожарной опасности	<p>полы, лестницы (наружные/внутренние) – A1/A1 FL стены наружные/внутренние – A1/A1 FL</p>
Пожарная безопасность строительных конструкций по результатам испытания на огонь – испытание на негорючесть EN ISO 1182:2005	<p>среднее значение DT_f : 1.00°C среднее продолжительное горение: 0,00 сек средняя потеря массы: 0%</p>
Пожарная безопасность материалов по результатам тестов на огонь – высшая теплота сгорания EN ISO 1716:2005	0,0 МДж/кг
Содержание органических веществ EN 13820:2004	0,0 %
Термическая стойкость при температуре 180°C в течение 20 минут EN 13310:2004	без изменений

Химическая стойкость EN 14617-10	никаких пятен или коррозии
Устойчивость к термическому удару EN 14617-6:2012 EN14617-2:2008	Прочность на изгиб – Rsf [MPa] 39,2 Изменение веса – Dm%=0,00 Изменение прочности на изгиб DRf,20%=7,3%
Теплопроводность и расширенная неопределенность	1,38 +/- 0,12 W / (m*k)
Теплопроводность и тепловое сопротивление с помощью метода защищенной горячей пластины D=1/REN 12664:2002	48,5 +/- 4,3 W / (m2*k)
Тепловое сопротивление "R" и относительная расширенная неопределенность	0,0206 +/- 0,0018M2*k/W
Прочность фиксации (отверстие для дюбеля) EN 14617-8	2168 N
Прочность сцепления при растяжении для цементирующих клеев – начальная адгезионная прочность	Прочность при растяжении (адгезионная прочность) "AS" [N/mm2]=0,8
Устойчивость к УФ излучению	Абсолютная, без изменений

Основные типоразмеры и параметры материалов STONEGLASS®

Слебы	12 мм белый	12 мм белый	18 мм белый	18 мм белый	18 мм черный серый	18 мм 3D	30 мм белый	30 мм белый
Размеры слэба	2660x1340	3060x1340	2660x1340	3060x1340	2440x1920	2440x1920	2660x1340	3060x1340
Площадь Слэба, (кв.м)	3,56	4,10	3,56	4,10	4,68	4,68	3,56	4,10
Вес Слэба, (кг)	106,8	123	160,2	184,5	210,8	210,8	267	307,5
Удельный вес на (кг/	30	30	45	45	45	45	75	75

кв.м)								
Количество слэбов в.упаковке, (шт)	23	23	17	17	10	10	11	11
Площадь слэбов в упаковке , (кв.м)	81,98	94,30	60,59	69,70	46,80	46,80	39,20	45,10

СЕРТИФИКАЦИЯ STONEGLASS®

PERFORMANCE IN RELATION TO **UNI EN 15285:2008** DTD 24/07/2008

APP. ZA.1.1 FLOORS AND STAIRS (INDOOR)

UNI EN 14617-1:2013 dtd 05/16/2013 apparent density

UNI EN 15285:2008 dtd 07/24/2008 water absorption

UNI EN 14617-2:2008 dtd 10/23/2008 flexural strenght

UNI EN 13501-1:2009 fire classification

UNI EN ISO 11802:2005 reaction to fire

UNI EN 13820:2004 organic content

UNI EN ISO 1716:2005 gross heat of combustion (calorific value)

UNI EN 15285:2008 look (visual)

UNI EN 15285:2008 look (touch)

UNI EN 12664:2002 thermal conductivity and expanded uncertainty

UNI EN 12664:2002 thermal resistance

PERFORMANCE IN RELATION TO **UNI EN 15285:2008** DTD 24/07/2008

APP. ZA.1.2 FLOORS AND STAIRS (OUTDOOR)

UNI EN 14617-2:2008 dtd 10/23/2008 flexural strenght

UNI EN 15285:2008 look (visual)

UNI EN 15285:2008 look (touch)

UNI EN 14617-6:2012 dtd 06/07/2012 thermal shock resistance

UNI EN 14617-2:2008 dtd 10/23/2008 flexural strenght

PERFORMANCE IN RELATION TO **UNI EN 15286:2013**

ZA.1.1 SLABS AND TILES FOR WALLS (INDOOR)

UNI EN 13501-1:2009 fire classification

UNI EN ISO 1182:2005 reaction to fire

UNI EN 13820:2004 organic content

UNI EN ISO 1716:2005 gross heat of combustion (calorific value)

UNI EN 14617-1:2013 dtd 05/16/2013 apparent density and water absorption

UNI EN 12664:2002 thermal conductivity and expanded uncertainty

UNI EN 12664:2002 thermal conductivity and thermal resistance

UNI EN 12664:2002 thermal resistance "R"

UNI EN 12004:2012 dtd 07/12/2012 adhesives for tiles (conformity)

UNI EN 1348:2008 dtd 05/28/2008 determination of tensile adhesion strenght

UNI EN 14617-8 resistance to fixing (dowel hole)

PERFORMANCE IN RELATION TO **UNI EN 15286:2013**

ZA.1.2 SLABS AND TILES FOR WALLS (OUTDOOR)

UNI EN 13501-1:2009 fire classification

UNI EN ISO 1182:2005 reaction to fire

UNI EN 13820:2004 organic content

UNI EN ISO 1716:2005 gross heat of combustion (calorific value)

UNI EN 14617-2:2008 dtd 10/23/2008 flexural strenght

UNI EN 14617-1:2013 dtd 05/16/2013 apparent density and water absorption

UNI EN 12664:2002 thermal conductivity

UNI EN 12664:2002 thermal conductivity and thermal resistance

UNI EN 12664:2002 thermal resistance "R"

UNI EN 14617-6:2012 dtd 06/07/2012 thermal shock resistance

UNI EN 12004:2012 dtd 07/12/2012 adhesives for tiles (conformity)

UNI EN 1348:2008 dtd 05/28/2008 determination of tensile adhesion strenght

UNI EN 14617-8 resistance to fixing (dowel hole)

UNI EN 13310:2004 dry heat resistance

UNI EN 12371:2003 freeze/thaw resistance (48 cycles)– compressive st.

UNI EN 12371:2003 freeze/thaw resistance (48 cycles)– flexural st.

UNI EN 1936:2001 determination of apparent density and open porosity

UNI EN 12371:2003 freeze/thaw resistance (12 cycles)– flexural st.

UNI EN 101:1992 Mohs

UNI 14617-11:2005 coefficient of linear thermal expansion

UNI 9104:1996 UV resistance

Сводная таблица по сертификации продукции

STONEGLASS® Srl

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Anno di prima apposizione 2015

Regolamento (UE) n. 305/2011

Norma armonizzata UNI EN 15285:2008 del 24/07/2008

“Lapidei agglomerati. Marmette modulari per pavimentazioni e scale (interne ed esterne)”

UNI EN 15286:2013

Titolo : Lapidei agglomerati - Lastre e marmette per finiture di pareti (interne ed esterne)

Prestazioni e caratteristiche riportate sulla

DICHIARAZIONE DI PRESTAZIONE

STONEGLASS® WHITE THICK. 12 MM - 18 MM - 30 MM

1. PERFORMANCE IN RELATION TO UNI EN 15285:2008 dtd 24/07/2008 app. ZA.1.1. floors and stairs INDOOR

Features	Performance	Technical harmonized spec	Authority	Test report number/date
Determination of apparent density and water absorption of agglomerated stone in accordance with standard UNI EN 14167-1:2013 with reference to harmonized standards UNI EN 15285:2008 - 4.2.2	W4	The test was carried out in accordance with the requirements of the following standards: – UNI EN 14617-1:2013 dtd 16/05/2013 “Agglomerated stone. Test methods. Part 1: Determination of apparent density and water absorption”; – UNI EN 15285:2008 dtd 24/07/2008 “Agglomerated stone. Modular tiles for flooring and stairs (internal and external)” part 4.2.2 “Apparent density and water absorption”.	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325337 DTD 17/06/2015
Determination of flexural strength in accordance with standard UNI EN 14617- 2:2008	F3	The test was carried out in accordance with the requirements of standard UNI EN 14617-2:2008 dtd 23/10/2008 “Agglomerated stone – Test methods – Determination of flexural strength (bending)”.	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.324654 DTD 19/05/2015
Fire classification of construction product and building elements	A1/A1 FL	Fire classification of construction products and building elements – Part 1: classification using data from reaction to fire tests in accordance with standard UNI EN 13501-1:2009 and with reference to harmonized standards UNI EN 15285:2008	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325503/9246/CPR DTD 23/06/2015

Reaction to fire testing on construction products – non combustibility indicative test	Media ΔT_f / Average ΔT_f: 1,00 °C Media fiamme persistenti / Average sustained flaming: 0,00 s Media perdite massa / Average mass loss: 0 %	Reaction to fire testing on construction products – non – combustibility indicative test according to standard UNI EN ISO 1182:2005 with reference to harmonized standards UNI EN 15285:2008 and UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325501/9244/CPR DTD 23/06/2015
Determination of organic content	Contenuto di sostanza organica / Organic content: 0,0%	Determination of organic content according to standard UNI EN 13820:2004, with reference to harmonized standards UNI EN 15285:2008	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325501/9244/CPR DTD 23/06/2015
Reaction to fire tests for products – gross heat of combustion (calorific value)	prodotto / product PCS: 0,0 MJ/kg	Reaction to fire tests for products – gross heat of combustion (calorific value) in accordance with standard UNI EN ISO 1716:2005 and with reference to harmonized standards UNI EN 15285:2008	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325502/9245/CPR DTD 23/06/2015
Visual look	Shiny or Matt It's compact with uniform color Planar In various thicknesses, sizes and forms	UNI EN 15285:2008 § 4.2.12	STONEGLASS SRL Sede legale: Via Merello, 37, 56034 Casciana Terme (Pisa)	-----
Look to the touch	Smooth obtained by grinding Cold	UNI EN 15285:2008 § 4.2.12	STONEGLASS SRL Sede legale: Via Merello, 37, 56034 Casciana Terme (Pisa)	-----

<p>Thermal conductivity "λ" and relative expanded uncertainty</p>	<p>1,38 +/- 0,12 W/(m * k)</p>	<p>Thermal conductivity "λ" and relative expanded uncertainty in accordance with standard UNI EN 12664:2002 § 4.2.10 harmonized standards UNI EN 15285:2008</p>	<p>Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia</p>	<p>TEST REPORT N.325336 DTD 17/06/2015</p>
<p>Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method Thermal conductance "Λ" = 1/R and relative expanded uncertainty</p>	<p>48,5 +/- 4,3 W/(m2 * k)</p>	<p>Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method in accordance with standard UNI EN 12664:2002 with reference to harmonized standards UNI EN 15285:2008</p>	<p>Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia</p>	<p>TEST REPORT N.325336 DTD 17/06/2015</p>

2. PERFORMANCE IN RELATION TO **UNI EN 15285:2008** dtd 24/07/2008 app. ZA.1.2. floors and stairs **OUTDOOR**

Features	Performance	Technical harmonized spec	Authority	Test report number/date
Determination of flexural strength in accordance with standard UNI EN 14617- 2:2008	F3	The test was carried out in accordance with the requirements of standard UNI EN 14617-2:2008 dtd 23/10/2008 "Agglomerated stone – Test methods – Determination of flexural strength (bending)".	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.324654 DTD 19/05/2015
Visual look	Shiny or Matt It's compact with uniform color Planar In various thicknesses, sizes and forms	UNI EN 15285:2008 § 4.2.12	STONEGLASS SRL Sede legale: Via Merello, 37, 56034 Casciana Terme (Pisa)	-----
Look to the touch	Smooth obtained by grinding Cold	UNI EN 15285:2008 § 4.2.12	STONEGLASS SRL Sede legale: Via Merello, 37, 56034 Casciana Terme (Pisa)	-----
Determination of thermal shock resistance	Flexural strength mean Rsf [MPa] 39,2 Percentage change in mass $\Delta m\% = 0,00 \%$ Change in flexural strength $\Delta Rf,20\% = 7,3 \%$	The test was carried out in accordance with the requirements of the following standards: – UNI EN 14617-6:2012 dtd 07/06/2012 "Agglomerated stone test methods - Part 6: determination of thermal shock resistance"; – UNI EN 14617-2:2008 dtd 23/10/2008 "Agglomerated stone test methods – Part 2: determination of flexural strength (bending)".	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.324655 DTD 19/05/2015

3. PERFORMANCE IN RELATION TO **UNI EN 15286:2013** app.ZA.1.1. slabs and tiles for walls INDOOR

Features	Performance	Technical harmonized spec	Authority	Test report number/date
Fire classification of construction product and building elements	A1/A1 FL	Fire classification of construction products and building elements – Part 1: classification using data from reaction to fire tests in accordance with standard UNI EN 13501-1:2009 and with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325503/9246/CPR DTD 23/06/2015
Reaction to fire testing on construction products – non combustibility indicative test	Media ΔT_f / Average ΔT_f: 1,00 °C Media fiamme persistenti / Average sustained flaming: 0,00 s Media perdite massa / Average mass loss: 0 %	Reaction to fire testing on construction products – non – combustibility indicative test according to standard UNI EN ISO 1182:2005 with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325501/9244/CPR DTD 23/06/2015
Determination of organic content	Contenuto di sostanza organica / Organic content: 0,0%	Determination of organic content according to standard UNI EN 13820:2004, with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325501/9244/CPR DTD 23/06/2015
Reaction to fire tests for products – gross heat of combustion (calorific value)	prodotto / product PCS: 0,0 MJ/kg	Reaction to fire tests for products – gross heat of combustion (calorific value) in accordance with standard UNI EN ISO 1716:2005 and with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325502/9245/CPR DTD 23/06/2015

Determination of apparent density and water absorption of agglomerated stone in accordance with standard UNI EN 14167-1	0,003%	The test was carried out in accordance with the requirements of the following standards: UNI EN 14617-1:2013 dtd 16/05/2013 "Agglomerated stone. Test methods. Part 1: determination of apparent density and water absorption"	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325337 DTD 17/06/2015
Thermal conductivity "λ" and relative expanded uncertainty	1,38 +/- 0,12 W/(m * k)	Thermal conductivity "λ" and relative expanded uncertainty in accordance with standard UNI EN 12664:2002 § 4.2.10 harmonized standards UNI EN 15285:2008	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325336 DTD 17/06/2015
Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method Thermal conductance "Λ" = 1/R and relative expanded uncertainty	48,5 +/- 4,3 W/(m2 * k)	Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method in accordance with standard UNI EN 12664:2002 with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325336 DTD 17/06/2015
Thermal resistance "R" and relative expanded uncertainty	0,0206 +/- 0,0018 m2 * K/W	Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method in accordance with standard UNI EN 12664:2002 with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325336 DTD 17/06/2015
Determination of tensile adhesion strength for cementitious adhesives - Initial adhesion strength	Adhesive strength "As" [N/mm²] = 0,8	The test was carried out in accordance with requirements of standards: - UNI EN 12004:2012 del 12/07/2012 "Adhesives for tiles – Requirements, evaluation of conformity, classification and designation" - UNI EN 1348:2008 del 28/05/2008 "Adhesives for tiles – Determination of tensile adhesion strength for cementitious adhesive" clause 8.2	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.324696 DTD 20/05/2015

Determination of resistance to fixing (dowel hole)	2168 N	The test was carried out in accordance with requirements of standards: UNI EN 14617-8:2008 dated 17/01/2008 "Agglomerated stone – Test methods – Part 8 Determination of resistance to fixing (dowel hole)"	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325421 DTD 19/06/2015
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4. PERFORMANCE IN RELATION TO **UNI EN 15286:2013** app.ZA.1.2. slabs and tiles for walls OUTDOOR

Features	Performance	Technical harmonized spec	Authority	Test report number/date
Fire classification of construction product and building elements	A1/A1 FL	Fire classification of construction products and building elements – Part 1: classification using data from reaction to fire tests in accordance with standard UNI EN 13501-1:2009 and with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325503/9246/CPR DTD 23/06/2015
Reaction to fire testing on construction products – non combustibility indicative test	Media ΔT_f / Average ΔT_f: 1,00 °C Media fiamme persistenti / Average sustained flaming: 0,00 s Media perdite massa / Average mass loss: 0 %	Reaction to fire testing on construction products – non – combustibility indicative test according to standard UNI EN ISO 1182:2005 with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325501/9244/CPR DTD 23/06/2015
Determination of organic content	Contenuto di sostanza organica / Organic content: 0,0%	Determination of organic content according to standard UNI EN 13820:2004, with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325501/9244/CPR DTD 23/06/2015
Reaction to fire tests for products – gross heat of combustion (calorific value)	prodotto / product PCS: 0,0 MJ/kg	Reaction to fire tests for products – gross heat of combustion (calorific value) in accordance with standard UNI EN ISO 1716:2005 and with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 325502/9245/CPR DTD 23/06/2015
Determination of flexural strength	Flexural Strength mean R_{tf} [MPa] = 42,3	The test was carried out in accordance with the requirements of standard UNI EN 14617-2:2008 dated 23/10/2008 “Agglomerated stone – Test method – Determination of flexural strength (bending)”	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N. 324654 DTD 19/05/2015

Determination of apparent density and water absorption of agglomerated stone in accordance with standard UNI EN 14167-1	0,003%	The test was carried out in accordance with the requirements of the following standards: UNI EN 14617-1:2013 dtd 16/05/2013 "Agglomerated stone. Test methods. Part 1: determination of apparent density and water absorption"	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325337 DTD 17/06/2015
Thermal conductivity "λ" and relative expanded uncertainty	1,38 +/- 0,12 W/(m * k)	Thermal conductivity "λ" and relative expanded uncertainty in accordance with standard UNI EN 12664:2002 § 4.2.10 harmonized standards UNI EN 15285:2008	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325336 DTD 17/06/2015
Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method Thermal conductance "Λ" = 1/R and relative expanded uncertainty	48,5 +/- 4,3 W/(m2 * k)	Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method in accordance with standard UNI EN 12664:2002 with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325336 DTD 17/06/2015
Thermal resistance "R" and relative expanded uncertainty	0,0206 +/- 0,0018 m2 * K/W	Thermal conductivity and thermal resistance of agglomerated stone by means of the guarded-hot-plate method in accordance with standard UNI EN 12664:2002 with reference to harmonized standards UNI EN 15286:2013	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.325336 DTD 17/06/2015
Determination of thermal shock resistance	Flexural strength mean Rsf [MPa] 39,2 Percentage change in mass Δm% = 0,00 % Change in flexural strength ΔRf,20% = 7,3 %	The test was carried out in accordance with the requirements of the following standards: – UNI EN 14617-6:2012 dtd 07/06/2012 "Agglomerated stone test methods - Part 6: determination of thermal shock resistance"; – UNI EN 14617-2:2008 dtd 23/10/2008 "Agglomerated stone test methods – Part 2: determination of flexural strength (bending)".	Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia	TEST REPORT N.324655 DTD 19/05/2015

<p>Determination of tensile adhesion strength for cementitious adhesives - Initial adhesion strength</p>	<p>Adhesive strength "As" [N/mm²] = 0,8</p>	<p>The test was carried out in accordance with requirements of standards: - UNI EN 12004:2012 del 12/07/2012 "Adhesives for tiles – Requirements, evaluation of conformity, classification and designation" –UNI EN 1348:2008 del 28/05/2008 "Adhesives for tiles – Determination of tensile adhesion strength for cementitious adhesive" clause 8.2</p>	<p>Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia</p>	<p>TEST REPORT N.324696 DTD 20/05/2015</p>
<p>Determination of resistance to fixing (dowel hole)</p>	<p>2168 N</p>	<p>The test was carried out in accordance with requirements of standards: UNI EN 14617-8:2008 dated 17/01/2008 "Agglomerated stone – Test methods – Part 8 Determination of resistance to fixing (dowel hole)"</p>	<p>Istituto Giordano SpA - Blocco 2 - Via Rossini, 2 - 47814 Bellaria-Igea Marina (RN) - Italia</p>	<p>TEST REPORT N.325421 DTD 19/06/2015</p>