



PHOTOCATALYTIC COVERINGS

Agglotech[®]
MARMOCEMENTO





Agglotech®
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FOTOCATALYTIC COVERINGS

Agglotech materials can be produced with the new photoactive cements TX MILLENIUM of Italcementi which contains the **TX Active®** principle.

Photocatalysis is a natural phenomenon in which a substance known as a photocatalyst uses light to expedite the rate of a natural oxidation process. Using light energy, photocatalysts can induce the formation of strong oxidizing reagents which decompose some dangerous organic and inorganic substances (dioxide oxide of nitrogen, dioxide of sulphur, particulate organic suspended material, monoxide of carbon and ozone) in harmless substances like nitrate, carbonates and sulphates that are not dangerous for health and the environment. Photocatalysis is therefore an accelerator of oxidation processes that already exist in nature. It promotes faster decomposition of pollutants and prevents them from accumulating.

Enriched by a long time spent on experimentation, Agglotech has been chosen for the production of coverings including the active principle named **TX Active®**. Once tested by, Agglotech coverings produced with the binder TX Millennium showed that the material demolishes notably the atmospheric pollution turning into harmless substances over the 60% of the pollutants with which it gets in touch.

The versatility of use of the manufactured Agglotech allows the planners to exploit the **TX Active®** on any internal or external surface.

Agglotech® 
MARMOCEMENTO **MADE IN ITALY**

Agglotech® is a recomposed stone obtained by mixing natural ingredients such as marble chips, Portland cement and water. By combining customized materials, products with complete chromatic homogeneity, impressive production power and competitive prices, **Agglotech®** stands out as a strategic partner to carry out important projects. From our blocks (253x142x80 cm) we can obtain many kinds of manufactured products such as: flooring tiles, windowsills, stairs, wall claddings, floating floors, skirtings and others special pieces.





Agglotech®
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100%
Ceramic

REFERENCES



Head office "Sachsen region" Magdeburg, Germany



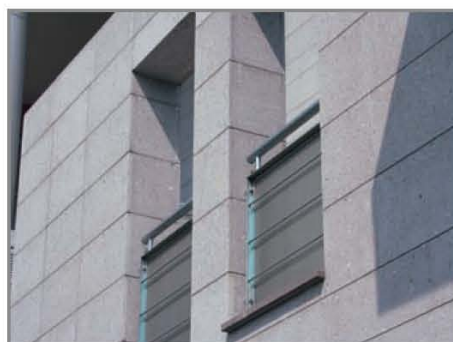
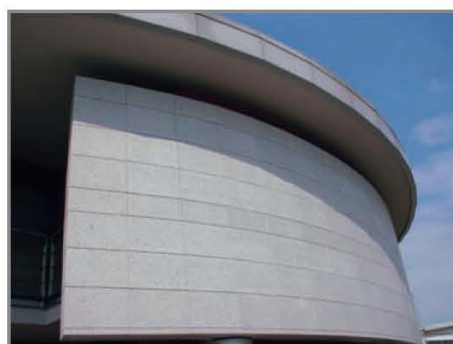
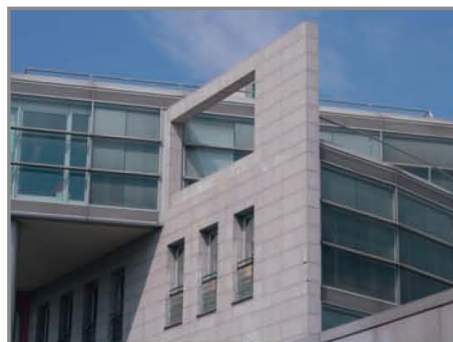
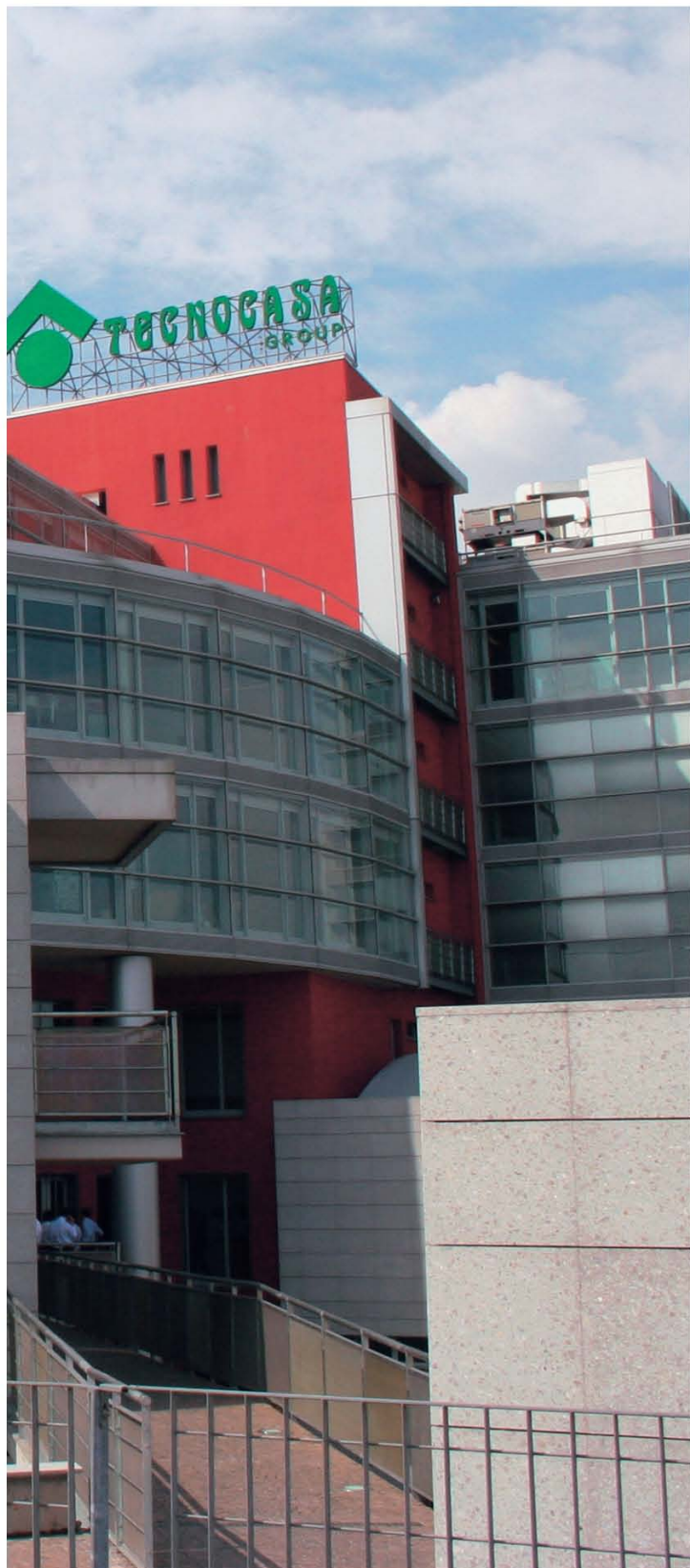
92.50 CARBI



Agglotech®
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REFERENCES



Head office "Tecnocasa" Milan, Italy



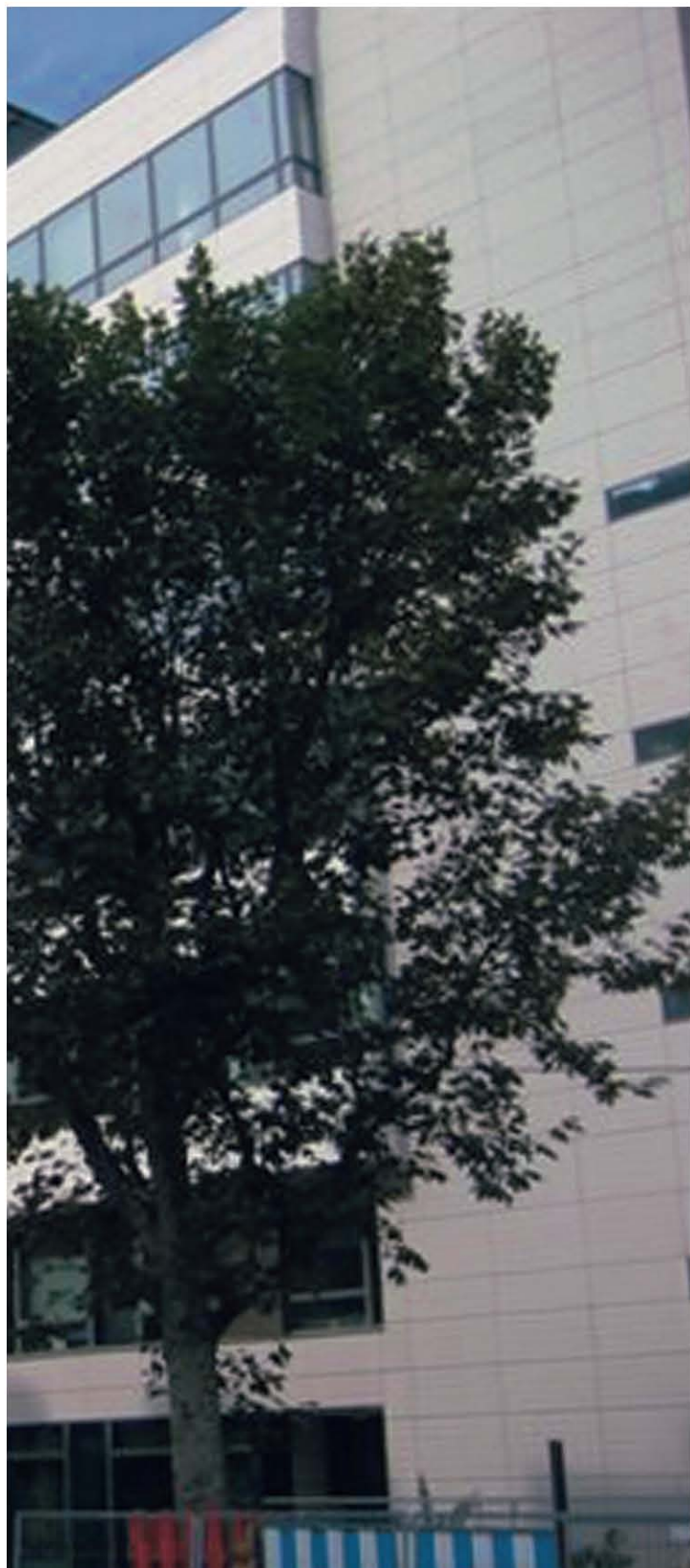
SB138 GHIACCIO



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REFERENCES



Business Center "Total" Paris, France



SB138 GHIACCIO



Agglotech®
MARMOCEMENTO



REFERENCES



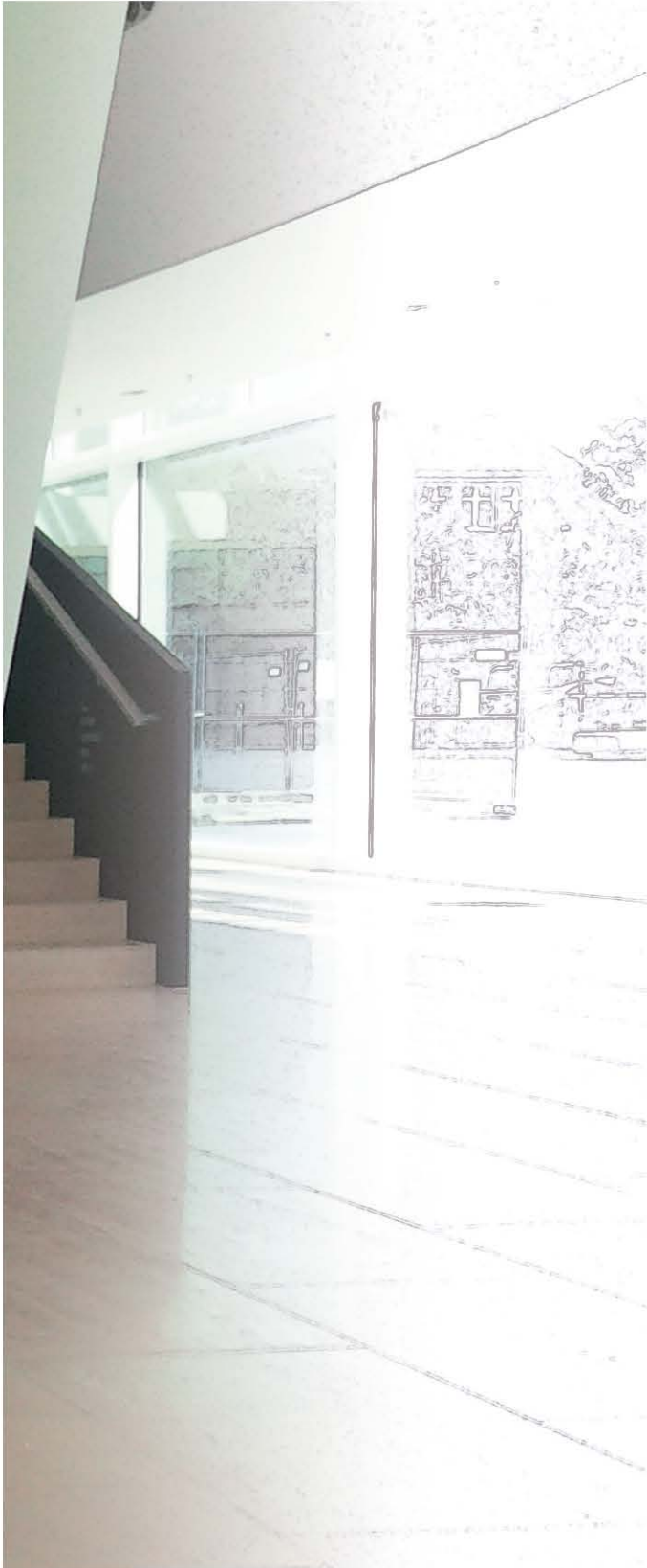
University Bolzano, Italy
12.000 m² customized material



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REFERENCES



Theater Gütersloh
flooring and stairs - special color Reg 1170

LINEA MICRO TERRAZZO



SB138 GHIACCIO



SB139 CENERE



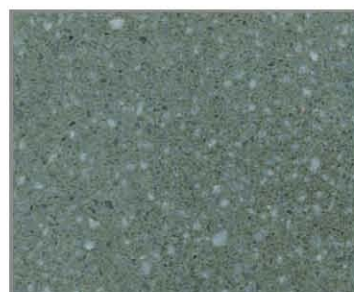
SB117 AZZURRO



SB144 AVORIO



SB149 FUMO



SB145 GIADA



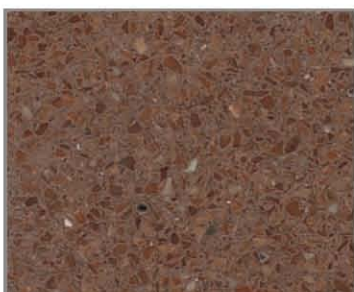
SB137 SABBIA



SB148 GRAFITE



SB146 CARBONE



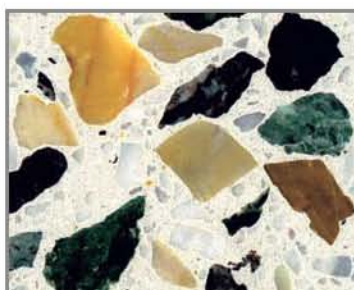
SB147 MOGANO

Active possible color range to be confirmed with manufacturer in prior

LINEA CLASSICO



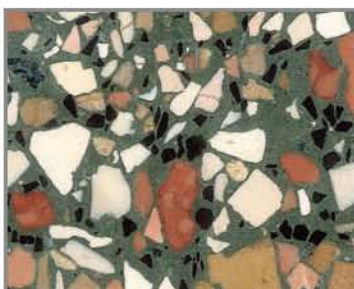
SB140 CA' D'ORO



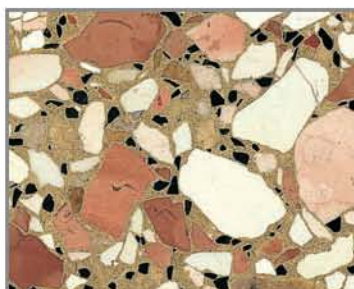
SB122 MULTICOLOR BIANCO



SB123 MULTICOLOR ORO



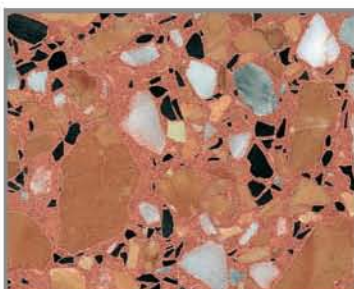
SB115 MULTICOLOR VERDE



SB141 MULTICOLOR VERONA



SB114 MULTICOLOR GRIGIO



SB 142 MULTICOLOR ROSSO



SB121 MULTICOLOR CHIARO



SB113 MULTICOLOR NERO



SB130 AGGLOCEPPO



SB124 GRIGIO ROTONDO



SB125 BRUNO ROTONDO

Active possible color range to be confirmed with manufacturer in prior

LINEA UNICO



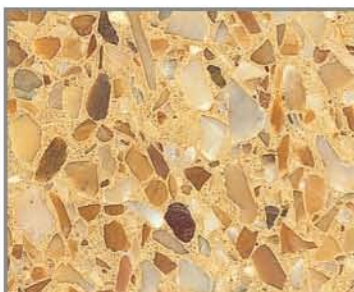
SB500 PIETRA CREMA



SB136 BIANCO VERONA



SB1000 THASSOS



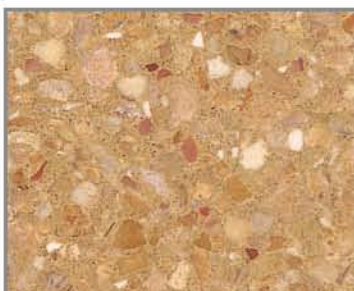
SB109 GIALLO



SB108 BEIGE



SB100 BIANCO



SB118 GIALLO ORO



SB135 ROSA



SB101 PEPE-SALE



SB107 GRIGIO-MARRON



SB110 TERRACOTTA



SB119 PEPE GRIGIO

Active possible color range to be confirmed with manufacturer in prior

LINEA UNICO



SB102 GRIGIO CHIARO



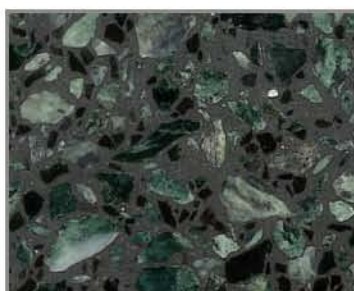
SB111 VERDE



SB128 GRIGIO NERO



SB103 GRIGIO MEDIO



SB112 VERDE SCURO



SB106 NERO



SB104 GRIGIO SCURO



SB105 ANTRACITE

Active possible color range to be confirmed with manufacturer in prior

LINEA TRADIZIONALE



93.00 BONO



92.60 PALMA



90.22 BRECCIA AURORA 25



92.50 CARBI



93.70 PETRA



92.40 BIANCO PERLA



92.02 GRIGIO VENATO 25



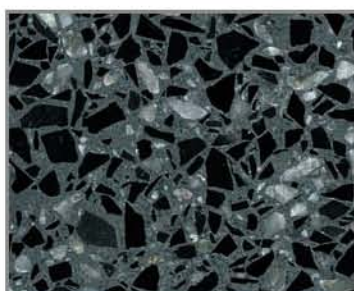
92.70 GRALO



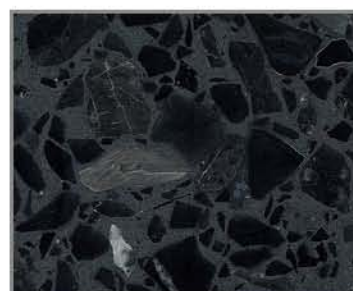
92.30 GRIGIO PERLA



92.10 RONUV



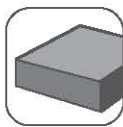
99.60 BLAWHI



99.50 BILAK

Active possible color range to be confirmed with manufacturer in prior

TECHNICAL INFORMATION



MASSIVE PRODUCT



NATURAL PRODUCT



UNIFORM










HIGHLY RESISTANT



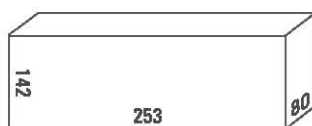
SIMPLE TO INSTALL



EASY TO MAINTAIN

TECHNICAL DATA	NORM EN13748-1	LGA TESTED
 Flexural Strenght	$N/mm^2 > 5$	$N/mm^2 > 8$
 Water Absorption	Vol.% < 8	Vol.% < 5
 Resistance to Abrasion	$< 30 \text{ cm}^3/50 \text{ cm}^3$	$< 20 \text{ cm}^3/50 \text{ cm}^3$
 Resistance to Compression	$N/mm^2 > 30$	$N/mm^2 > 30$
 Density	-	2,44 g/mm ³
 Fire Resistance	A1 _{fi} class 0	fire resistant
 Slippage Resistance	$> 6^\circ$ (R9)	$> 8^\circ$

SIZES AND WEIGHTS



BLOCKS

SLABS



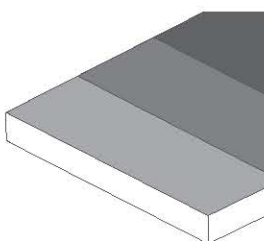
253/142/80 cm 7,5 tons

253/142/2 cm 52 kg/m²

253/142/3 cm 78 kg/m²

253/142/4 cm 104 kg/m²

SURFACE FINISHING



IMPREGNATED ANTISTAIN SURFACE

honed
honed
brushed
bush-hammered
polished

R9
R10
R9 / R10
R11 / R12

Other sizes can
be produce on
request

CERTIFICATIONS

Agglotech® Marmocemento is a construction material of high quality and resistance studied for the employment on project, suitable for surfaces subject to wear and tear. Our technical certificates include excellent values that largely exceed the requisites of the norm EN 13748, and also of the preceding norm DIN 18500. The productive cycle and the materials are constantly checked by the public corporate of certification LGA of Nuremberg.



The **LEED®** (Leadership in Energy and Environmental Design) standards are sustainable building parameters developed in the United States and applied in 40 countries world-wide. Drawn up by the US Green Building Council in association with US and Canadian corporations and university researchers, they lay down the requirements for the construction of eco-compatible buildings, capable of "functioning" sustainably and self-sufficient in energy; in other words, it is a rating system (Green Building Rating System(tm)), for the development of "green" buildings. The organisation that sets and promotes the LEED standards is the US Green Building Council, a non-profit association founded in 1993, which now has more than eleven thousand members. As well as a "technical" role, the USGBC also sets itself the task of informing and awareness-raising, with the aim of guiding the community towards ecosustainable building, bearing in mind that every project, assessed on the basis of its environmental impact, necessarily has effects on human health.



Agglotech®
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TÜV Rheinland LGA Bautechnik GmbH
Centro di Certificazione



Genau. Richtig.

TÜV Rheinland LGA tested *Quality*

Certificato No. 91718

Die TÜV Rheinland LGA Bautechnik GmbH, Tillystraße 2, 90431 Nürnberg
- Prüf-, Überwachungs- und Zertifizierungsstelle für Bauprodukte -

alle condizioni qui indicate e stabilite dal contratto di controllo e di certificazione, dopo aver
eseguito una prova preliminare dei prodotti da costruzione e una ispezione iniziale, nonché il
regolare controllo della produzione in fabbrica, accorda

alla ditta

AGGLOTECH S.p.A.
Via Monte Santa Viola 16
37142 Marzan (Verona) - Italia

per i prodotti da costruzione specificati a tergo

Piastrelle in cemento e graniglia secondo EN 13748-1 e -2

questo certificato e l'autorizzazione all'uso del



Marchio TÜV Rheinland LGA tested *Quality*

Il presente certificato TÜV Rheinland LGA tested *Quality* è valido fino al: 31.10.2014

Nürnberg, 18.11.2009



K.-H. Störlein

Dipl.-Ing. Karl-Heinz Störlein
Direttore del centro di certificazione

© TÜV, TÜV und TÜV sind eingetragene Marken. Eine Nutzung und Verwendung bedarf der vorherigen Zustimmung.

TÜV Rheinland LGA tested *Quality*

Certificate No. 91718

TÜV Rheinland LGA Bautechnik GmbH, Tillystraße 2, 90431 Nürnberg, Germany
- Testing, Inspection and Certification Body for construction products -

grants in accordance with the conditions described overleaf and laid down in the contract of
inspection and certification and after initial type test of the construction products
as well as initial inspection of the factories

the company

AGGLOTECH S.p.A.
Via Monte Santa Viola 16
37142 Marzana (Verona) - Italy

for the overleaf specified construction products

Terrazzo tiles acc. EN 13748-1 and -2

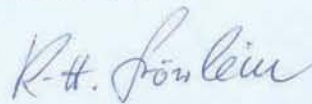
this certificate and the permission to use the



TÜV Rheinland LGA tested *Quality* mark

This TÜV Rheinland LGA tested *Quality* Certificate is valid until: 2014-10-31

Nuremberg, 2009-11-18



Dipl.-Ing. Karl-Heinz Störrlein
Head of Certification Body

TÜV Rheinland LGA Bautechnik GmbH
Certification Body



TÜV Rheinland LGA tested *Quality* Certificate No. 91718 dated 2009-11-18

Holder of certificate: (manufacturer)	AGGLOTECH S.p.A. Via Monte Santa Viola, 16 37142 Marzana (Verona) - Italy	
Factories:	AGGLOTECH S.p.A. Via Galileo Galilei 2/4 37023 Grezzana (Verona)	AGGLOTECH S.p.A. Via Monte Santa Viola, 16 37142 Marzana (Verona)

Construction products

Terrazzo tiles for internal use
acc. EN 13748-1:2004 + A1:2005 + AC:2005
Terrazzo tiles for external use acc. EN 13748-2:2004
Linea UNICO and CLASSICO

Properties

Fire behaviour:	Class A1 _{fl}
Water absorption:	≤ 8.0 M-%
Bending tensile strength:	≥ 5.0 MPa
Weather resistance:	Class "D"
Marking:	CE marking acc. Annex ZA of the standards
Skid resistance:	R 9 or R 10 acc. DIN 51130

Results of the Initial Inspection: Inspection report No. BBBW1 0580102-6/01

Results of the Inspection 2009: Inspection report No. BBBT 0980262



Tested according to the technical specifications

DIN EN 13748-1:2004 + A1:2005 + AC:2005 • DIN EN 13748-2:2004 • DIN 51130:2004

TÜV Rheinland LGA Bautechnik GmbH confirms that

1. she has performed an initial type testing of the construction products and the results fulfil the relevant requirements,
2. the manufacturer performs a factory production control to meet the requirements for manufacturing of the construction products,
3. she regularly inspects the production, the factory production control and checks the proper use of the mark as well as she regularly performs product tests,
4. she has closed a contract of inspection and certification with the manufacturer.

Agglotech[®]

MARMOCEMENTO



AGGLOTECH S.p.A.

Local Contact:

M/s. Eco Facade

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F: +974 4468 4565

E: info@ecofacadeqatar.com

