

MUTINA  
BRAC

STONESOURCE

# Brac

by Nathalie Du Pasquier

BRAC è un mattone disegnato dall'artista Nathalie Du Pasquier in esclusiva per Mutina. Si tratta di un elemento 3D da immaginare come versatile componente per la creazione di strutture e pareti di ogni tipo. BRAC è un elemento di design che è naturale evoluzione di BRIC, il progetto artistico sviluppato da Nathalie Du Pasquier specificatamente per lo spazio espositivo MUT - Mutina for Art. Affascinata dal mattone e dalle sue possibilità, l'artista lo ha elaborato come modulo da disporre verticalmente o orizzontalmente generando inaspettati giochi di luce e ombra all'interno di ogni ambiente.

La collezione BRAC ha 5 varianti di colore: argilla con superficie naturale matt, bianco, salvia, marrone e nero dalla finitura smaltata lucida.

Come in tutte le opere di Nathalie Du Pasquier, anche nella collezione BRAC emerge un senso di giocosa spiritualità, risultato della sua imprevedibile capacità di connettere emozionalmente luce, colore e suono all'interno dello spazio.

BRAC is a brick designed by artist Nathalie Du Pasquier exclusively for Mutina. It is a 3D element imagined as versatile component for the creation of all sorts of structures and walls. BRAC is a design element which is the natural evolution of BRIC, the artistic project specifically developed by Nathalie Du Pasquier for the MUT - Mutina For Art exhibition space. Fascinated by the brick and its possibilities, the artist has elaborated it as a module to be arranged vertically or horizontally, generating unexpected interplays of light and shadow within any environment.

The BRAC collection has a range of 5 colours: argilla, with a natural matt surface, bianco, salvia, marrone and nero with a bright glazed finish.

As in all Nathalie Du Pasquier's artworks, also in the BRAC collection a sense of playful spirituality emerges, outcome of her unpredictable ability to emotionally connect light, colour and sound within a space.



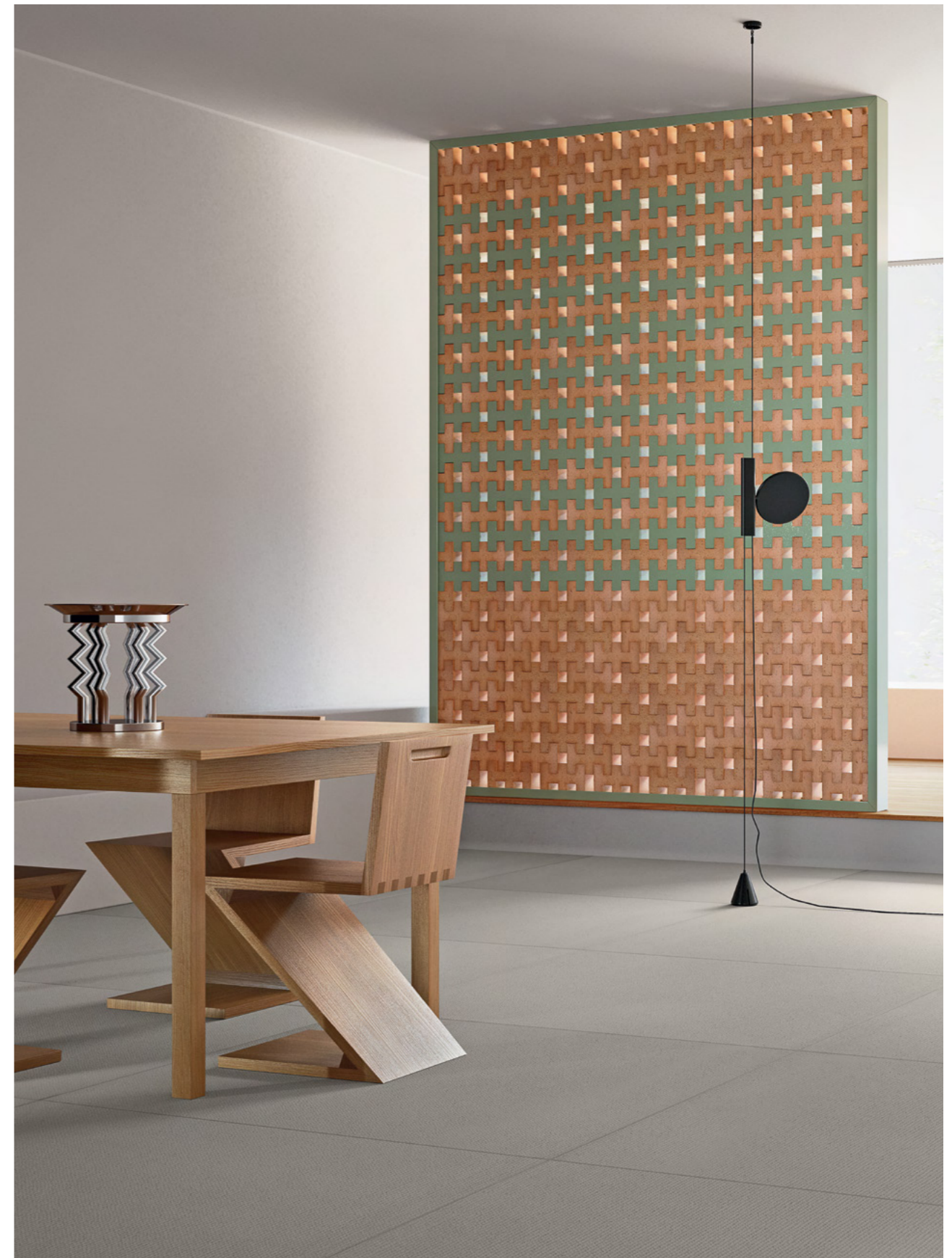
L'incontro con Mutina mi ha permesso dopo tanti anni, di pensare di nuovo a un progetto di design. Avevo dimenticato come può essere divertente. Mutina ha la dimensione che mi piace, parliamo tra di noi e decidiamo al momento, poi andiamo in trattoria.

After many years, the encounter with Mutina allowed me to work on a design project again. I had forgotten how funny that could be. Mutina has the size that I like, we talk to each other and decide in the moment, then we go in the trattoria.

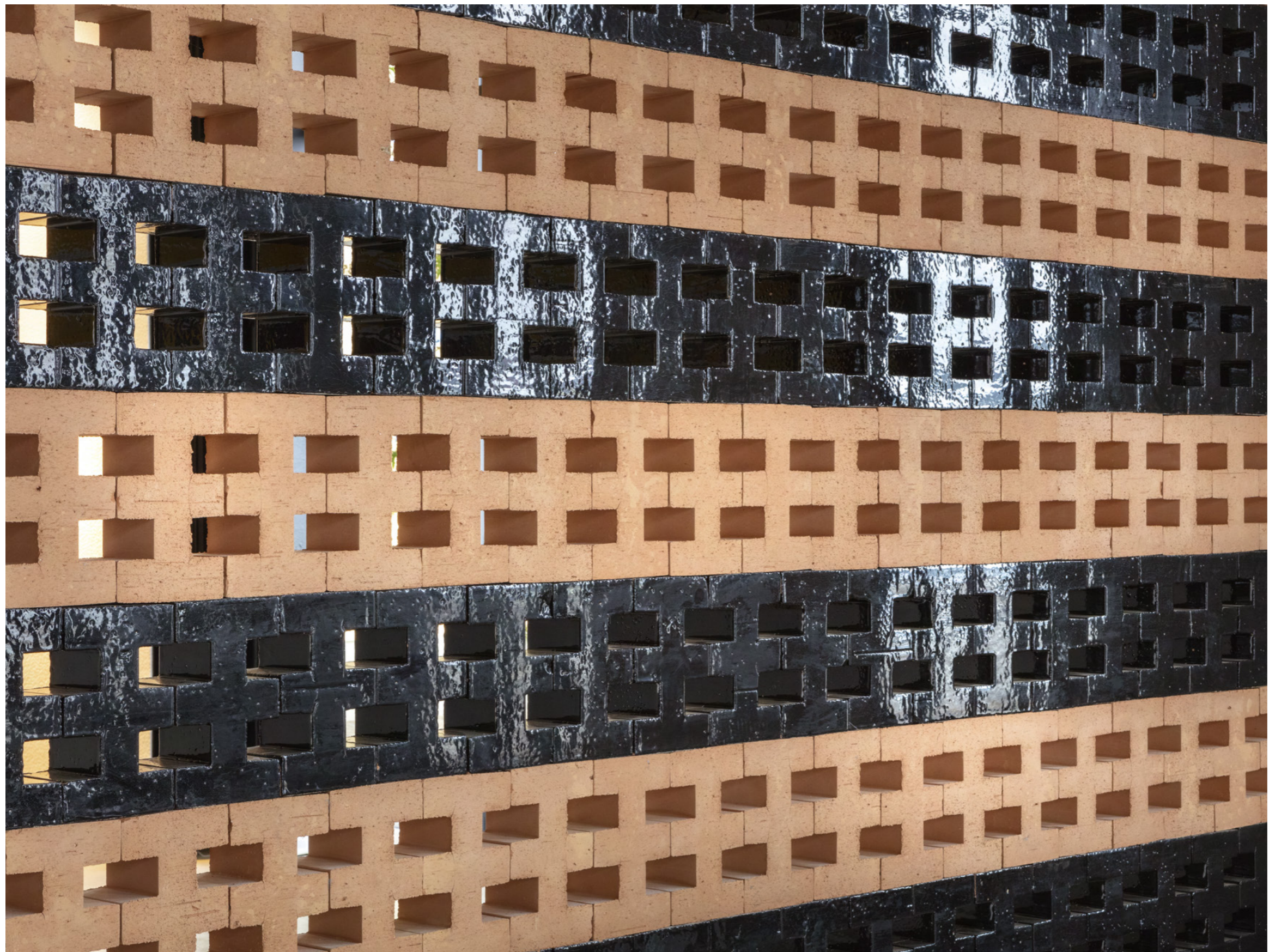
Nathalie Du Pasquier

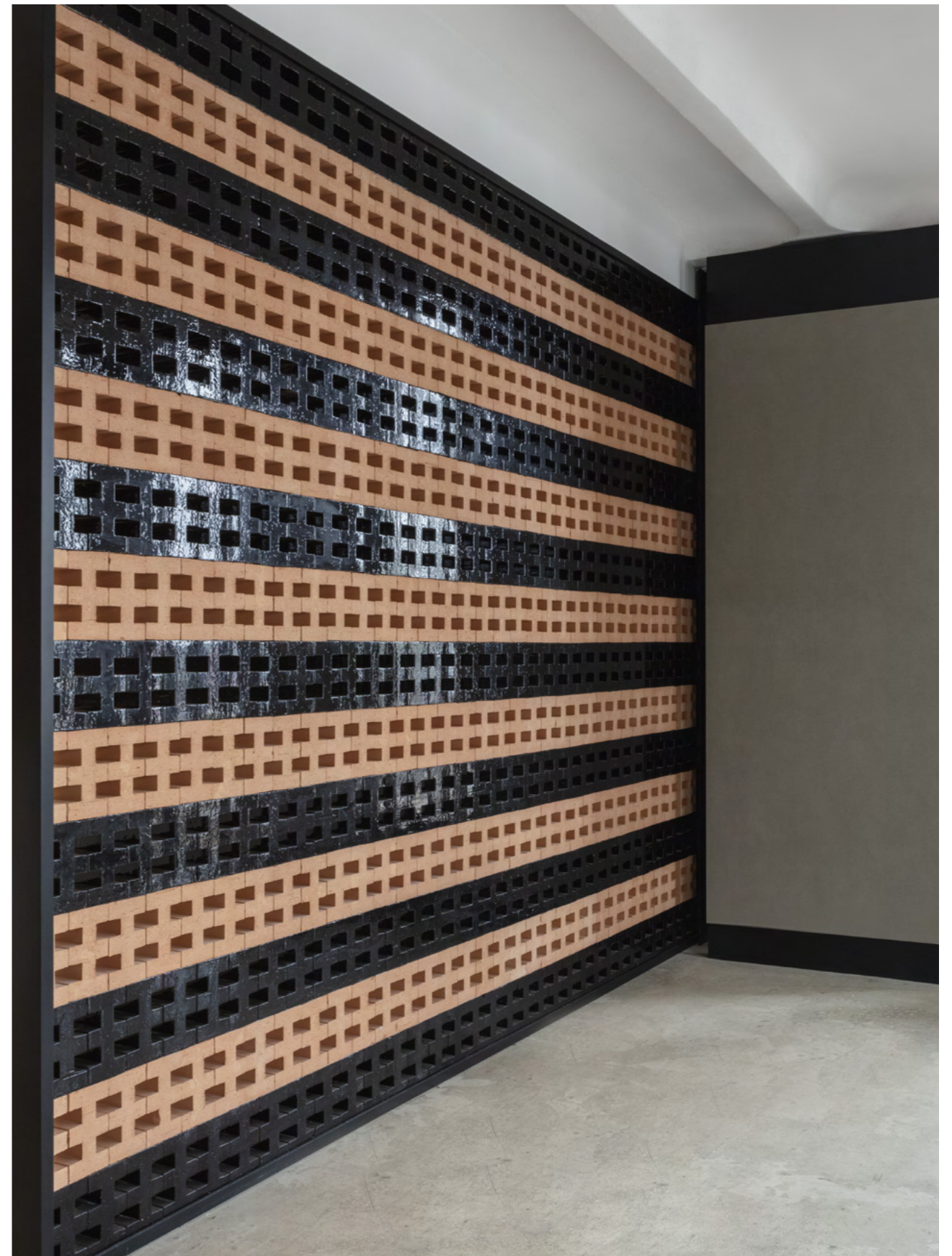


Wall: BRAC argilla, bianco



Wall: BRAC argilla, salvia

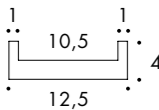
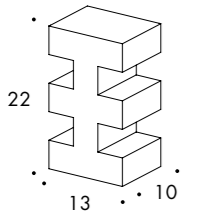




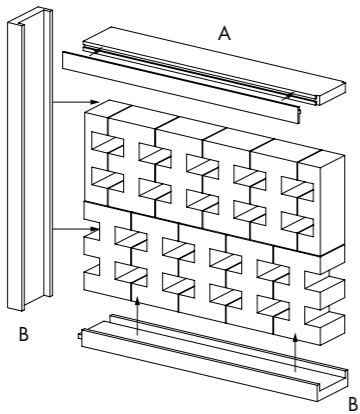
Wall: BRAC argilla, nero

Sizes & Colors

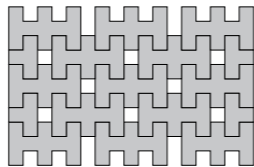
design	Nathalie Du Pasquier	2019
production	artisanal	
material	terracotta trafilata extruded terracotta	
*	misure nominali/nominal sizes	
size	* 13.22.10 cm/* 8".5".4"	



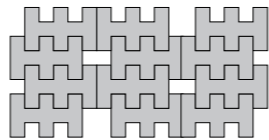
sezione  
section



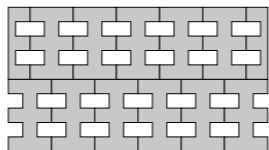
A – profilo terminale 300  
top profile 300  
B – profilo lineare 300  
linear profile 300



schema posa 1  
laying Scheme 1



schema posa 2  
laying Scheme 2



schema posa 3  
laying Scheme 3

Per facilitare il montaggio di questi elementi è disponibile Mutina sigillante, un sigillante organico eco-compatibile acquistabile separatamente.

To make the installation of these items easier, a Mutina sealant is now available: an organic and eco-friendly sealing material, which is sold separately.

Sizes & Colors



ARGILLA



BIANCO



NERO



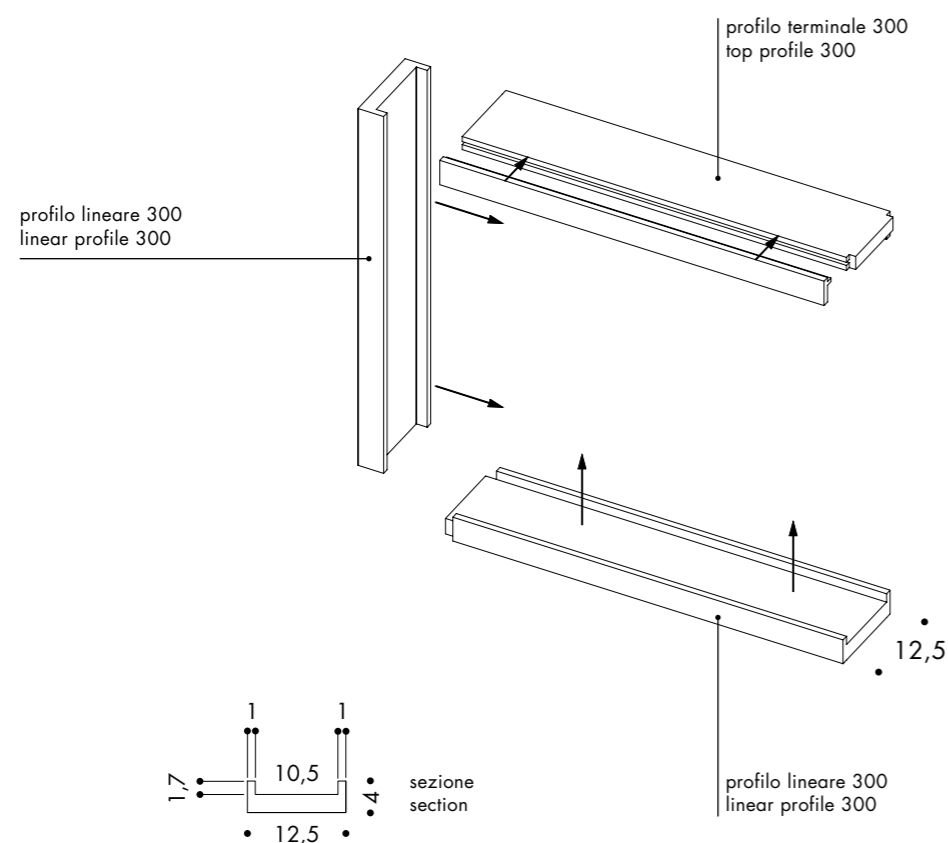
SALVIA



MARRONE

Complementary Pieces

items	<p>Profilo lineare in salice verniciato (adatto per uso esterno). Linear painted willow profile (also suitable for outdoor use).</p> <p>Profilo terminale in legno di salice verniciato (adatto per uso esterno) con un'estremità sagomata ed un lato rimovibile per facilitare il montaggio della chiusura a soffitto.</p> <p>Top painted willow profile (also suitable for outdoor use) with one shaped end to make clamping easier.</p>
size	* 12,5·300·4 cm/* 4 <sup>59/64</sup> "·118 <sup>7/64</sup> "·1 <sup>37/64</sup> "
*	misure nominali/nominal sizes



Complementary Pieces

	Mutina sigillante/Mutina sealant
material	<p>Sigillante organico eco-compatibile esente da solventi prodotto da Kerakoll in esclusiva per Mutina.</p> <p>Eco-friendly neutral silane sealant with reduced solvent content produced by Kerakoll exclusively for Mutina.</p>
features	<p>Mutina sigillante sviluppa un'elevata adesione su tutti i materiali senza l'utilizzo di primer e un'elasticità permanente su superfici assorbenti e inassorbenti.</p> <p>Mutina sealant develops a high level of adhesion on all materials without the use of primers and permanent elasticity on absorbent and non-absorbent surfaces.</p>
use	<p>In interno, esterno e per sigillature di elementi costruttivi.</p> <p>Suitable for indoor and outdoor use, it gives waterproof sealing of construction elements.</p>



# ULTRABOND MS RAPID

Rapid-setting assembly adhesive for internal and external use with a high initial tack



## WHERE TO USE

**Ultrabond MS Rapid** is a one-component, deformable, thixotropic adhesive with a high modulus of elasticity made from silylated polymers, characterised by its high initial tack ("sucker effect") and rapid final hardening. It is recommended, therefore, for those bonds where a strong initial tack and high mechanical strength are required after a short curing time.

Its rapid polymerisation and compatibility with most absorbent and non-absorbent building materials, including damp ones, make **Ultrabond MS Rapid** a practical, easy to apply product to replace or integrate traditional mechanical fasteners when constructing and assembling components and fittings used in the building and industrial sector.

Suitable for bonding internal and external window ledges, balconies, stone sills, skirting, parquet, wooden and plastic cable trunking, insulating and soundproofing panels, pantile roofing tiles, dressings around doors and walls, panelling and prefabricated elements.

Specifically recommended for bonding **Idrostop Soft** hydro-expansive bentonite jointing strip for waterproofing second pours and for sealing through elements in concrete.

### Some application examples

Recommended for bonding and assembling a wide range of materials including:

- cement and cement-based materials;
- bricks;
- stone;
- wood and wood-derived materials;
- metals;
- painted surfaces in general;
- ceramics;
- glass;
- rigid and flexible plastics\*;
- **Idrostop Soft** hydro-expansive bentonite jointing strip.

\* Contact MAPEI Technical Services Department prior to use.

## ADVANTAGES

- Deformable assembly adhesive
- Bonds all types of building materials, internally and externally
- Compatible with wet surfaces
- High initial tack, rapid-setting, high final strength
- Easy to extrude and no stringing
- Very low emission of volatile organic compounds

## TECHNICAL CHARACTERISTICS

**Ultrabond MS Rapid** is a highly viscous, highly thixotropic adhesive made from sililated polymers, therefore with no silicone and isocyanates, developed in MAPEI Research & Development laboratories.

Compared to polyurethane products, **Ultrabond MS Rapid** guarantees:

- compatibility also with damp substrates;
- easier extrusion, particularly at low surrounding temperatures;
- more rapid surface hardening;
- longer shelf life;
- use of traditional plastic cartridges.

Compared to neutral silicone products, **Ultrabond MS Rapid** offers:

- better adhesion to compact and/or absorbent building materials;
- higher initial "sucker effect";
- no "stringing" after extrusion;
- higher tensile and shear strength;
- the possibility to be painted over with the most common elastomeric paints;
- no contamination by plasticisers migrating into the substrate.

Thanks to its creamy consistency, fresh **Ultrabond MS Rapid** is able to compensate for differences in flatness between the two components bonded together.

**Ultrabond MS Rapid** contains no solvents, does not give off unpleasant smells and has very low emissions of volatile organic compounds, and is certified, therefore, as EC1 Plus.

**Ultrabond MS Rapid** hardens and polymerises by reacting with the humidity in the air or substrate, and without giving off liquid or gaseous substances potentially hazardous for users or for the environment. No hazard warning labels, therefore, are required on the packaging.

The product is ready to use and is available in plastic cartridges for traditional extrusion guns.

## RECOMMENDATIONS

- Do not apply on dusty or crumbly surfaces.
- Do not apply on wet surfaces or surfaces suffering from continuous rising damp.
- Do not use on surfaces with traces of oil, grease or form-release agent.
- Do not apply on bituminous substrates.
- Do not apply **Ultrabond MS Rapid** if the temperature is lower than +5°C.
- Bond elements and components immediately after extruding the adhesive without waiting.
- Do not contaminate fresh adhesive with alcohol-based solvents.

## APPLICATION PROCEDURE

### Preparation of the surface to be bonded

All the surfaces to be bonded must be dry or slightly damp, solid and free of dust, loose portions, oil, grease, wax and old paintwork.

**Ultrabond MS Rapid** adheres well to most building materials and does not need a primer.

In certain cases, or in particularly severe service conditions, a coat of **Primer FD** will help **Ultrabond MS Rapid** adhere to absorbent substrates.

Degrease the surface of non-absorbent substrates with a clean rag dipped in **Cleaner L** or acetone, then wait until the solvent has completely evaporated before extruding the adhesive.

On plastic substrates, we recommend roughing the surface with fine abrasive paper and then applying a coat of **Primer P**. Since there are many different types of plastic, it is recommended to carry out preliminary tests on a small area, to verify the product's reaction.

If primer is applied, wait until it is completely dry before extruding **Ultrabond MS Rapid**.

If in doubt, contact MAPEI Technical Services Department for the most appropriate advice.

### Preparation and application of Ultrabond MS Rapid

Insert the cartridge in an extrusion **Mapei Gun**, cut the head off the cartridge, screw the pre-cut extrusion nozzle to the cartridge and extrude a continuous bead of adhesive.

In case the soft cartridge is used, insert it in the suitable extrusion **Mapei Gun**, cut the head of the cartridge, screw the extrusion nozzle to the threaded collar of the gun and then extrude the product.

To bond small components, extrude beads or spots of adhesive on one of the two surfaces. Join the two components and press firmly together to spread the adhesive evenly on the back.

When bonding over a large surface area, extract a series of parallel beads around 10-15 cm apart. Join the two components and press firmly together to spread the adhesive evenly on the back.

Carry out any adjustment in the position of the component within 5 minutes at +23°C.

**Ultrabond MS Rapid** is a rapid-hardening adhesive. If necessary, to further accelerate complete polymerisation of the adhesive, dampen the substrate by spraying on water just before applying the adhesive. In such cases, never let drops or puddles of water form on the surface.

The adhesive starts to harden after 1.30 hours at +23°C (and after 25 minutes if water is sprayed on the surface).

Final hardening takes place after 24 hours at +23°C for layers up to 3.5 mm thick.

**Ultrabond MS Rapid** has a high initial "sucker effect", which means it can support even heavy loads on walls and ceilings straight away.

However, when bonding heavy objects on vertical surfaces or ceilings, or objects subjected to vibrations or deformation immediately after bonding, it is advisable to use **Ultrabond MS Rapid** combined with double-sided tape (up to 3 mm) to

help increase its initial slip resistance. In such cases, once bonded, the position of the object cannot be adjusted. Apply the adhesive in layers no more than 2-3 mm thick.

## CONSUMPTION

According to the bonding technique used (spot bonding or in beads).

A 290 ml cartridge forms a bead of adhesive with a 10 mm base x 10 mm high triangular section around 5 metres long.

## CLEANING

**Ultrabond MS Rapid** may be removed from surfaces, tools and clothing with **Cleaner L** or acetone before it hardens; once hardened, it must be removed mechanically or with **Pulicol 2000**. Make sure all traces of detergent have completely evaporated from the substrate before applying the adhesive.

## PACKAGING

290 ml cartridges in 12 pcs boxes.

600 ml soft cartridges in 20 pcs boxes.

## COLOURS

**Ultrabond MS Rapid** is available in white.

## STORAGE

**Ultrabond MS Rapid** 290 ml cartridges may be stored for up to 18 months in a cool, dry place, while 600 ml soft cartridges may be stored for up to 12 months.

## SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website [www.mapei.com](http://www.mapei.com).

PRODUCT FOR PROFESSIONAL USE.

## TECHNICAL DATA (typical values)

### PRODUCT IDENTITY

Appearance:	thixotropic paste
Colour:	white
Density:	1.45 ± 0.03 g/cm <sup>3</sup>
Dry solids content (%):	100
Helipath viscosity:	approx. 5,500,000 (spindle F - 1 rpm)
EMICODE:	EC1 Plus - very low emission

### APPLICATION DATA (at +23°C and 50% R.H.)

Application temperature range:	from +5°C to +35°C
Dust dry:	15' at +23°C and 50% R.H.

Adjustment time:	5'
Initial hardening time:	1.30 h (25' if substrate is damp)
Complete hardening:	3.5 mm/24 h - 4.5 mm/48 h

## FINAL PERFORMANCE

Initial sucker effect (according to MAPEI test procedure):	25 N
Final tensile strength (according to EN 1348): – after 7 days at +23°C:	4 N/mm <sup>2</sup>
Final shear strength (according to EN 12004): – after 7 days at +23°C:	4 N/mm <sup>2</sup>
Tear strength (according to ISO 34/1): – after 7 days at +23°C:	16 N/mm
Shore A hardness (DIN 53505):	75 ± 5
Elongation at failure (according to DIN 53504 S3a): – after 7 days at +23°C:	180%
Resistance to UV rays:	good
In-service temperature range:	from -40°C to +90°C

## WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website [www.mapei.com](http://www.mapei.com)

## LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website [www.mapei.com](http://www.mapei.com).

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431-7-2022-gb

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Technical Features

Elementi di produzione artigianale trafilati di spessore 10cm. Gli elementi devono in ogni caso rispettare le norme tecniche in materia di costruzioni vigenti nel paese di utilizzo. Per il territorio nazionale italiano, in particolare, la norma NTC 2018 DECRETO MIN 27/01. Prodotto adatto sia per spazi residenziali che commerciali per la costruzione di pareti di altezza massima 4mt. Per ottenere un risultato estetico ottimale, si consiglia di montare BRAC utilizzando il profilo in legno. Per la chiusura a soffitto è previsto un profilo “terminale” con cornice smontabile. Prodotto adatto per interni ed esterni secondo norma UNI EN 722-22 con marcatura “F1 - esposizione moderata”.

Artisanal extruded partition elements, 10cm thick. These elements must in any case comply with the technical standards of construction regulation, applicable in the country where they are installed. For the Italian national territory, in particular, they should comply with standard NTC 2018 DECRETO MIN 27/01. This product is suitable for both residential and commercial areas, to be installed in walls with a maximum height of 4mt. In order to achieve an optimal aesthetic outcome we advise to install BRAC using our wooden profile. A top profile with removable sides is provided for ceiling fixing. The product is suitable for indoor and outdoor areas complying with UNI EN 722-22 marked “F1 - moderate exposure”.

NORMA STANDARD	CARATTERISTICHE FEATURES	VALORE PRESCRITTO VALUE REQUIRED	BRAC
UNI EN 772-16	dimensioni dimensions	da dichiarare to declare	T2-R2
UNI EN 772-21	assorbimento water absorption	da dichiarare to declare	12,5%
UNI EN 772-5	tenore di sali solubili attivi soluble salts content	da dichiarare to declare	S2
UNI EN 772-22	resistenza al gelo freeze-thaw resistance	da dichiarare to declare	F1
D.M. 1401/2008	determinazione dei carichi variabili orizzontali determination of variable horizontal loads	da dichiarare to declare	C2
LEED CERTIFICATION 4.1			10%
VOC Emission			
Declaration of Contents			
SDS			
BPD3			
HPD			

Packing

FORMATO SIZE	PZ-MQ PCS-SQM	PZ-BOX PCS-BOX	MQ-PAL SQM-PAL	PZ-PAL PCS-PAL	KG-PZ KG-PC	KG-PAL KG-PAL
22-13-10 cm argilla	35,45	–	1,35	48	4,15	199,20
22-13-10 cm bianco,nero,salvia,marrone	35,45	3	4,06	48	4,15	597,60

Nathalie Du Pasquier



Nathalie Du Pasquier è nata a Bordeaux nel 1957 e vive a Milano dal 1979. Negli anni ottanta ha lavorato come designer, progettando soprattutto tessuti e superfici, ed è stata tra i fondatori del gruppo Memphis. Dal 1987, si dedica prevalentemente alla pittura, un ambito in cui la sua pratica ha preso direzioni inaspettate ed è stata oggetto di una costante evoluzione. Il suo lavoro è stato esposto in mostre personali presso: Kunsthalle Wien, International Center of Graphic Arts di Ljubljana, Galerie Fuer Zeitgenoessische Kunst di Lipsia, Apalazzo Gallery di Brescia, Pace Gallery di Seoul e Anton Kern Gallery di New York.

Nathalie Du Pasquier was born in Bordeaux in 1957 and has lived in Milano since 1979. During the eighties, she has worked as a designer, creating textiles and mostly surfaces, and was a founding member of Memphis. In 1987 painting became her main activity and ever since her practice is constantly developing in new and unexpected directions. Her work has been featured in solo exhibitions at Kunsthalle Wien, International Center of Graphic Arts in Ljubljana, Galerie Fuer Zeitgenoessische Kunst in Leipzig, Apalazzo Gallery in Brescia, Pace Gallery in Seoul and at Anton Kern Gallery in New York.

