

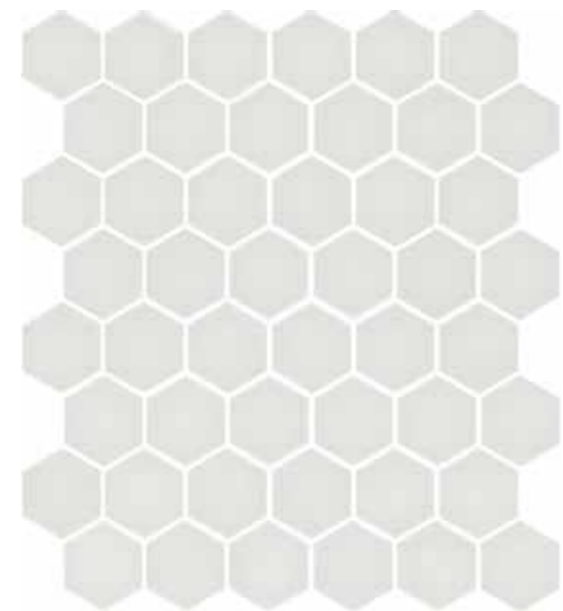
TOGAMA

MORE THAN MOSAIC

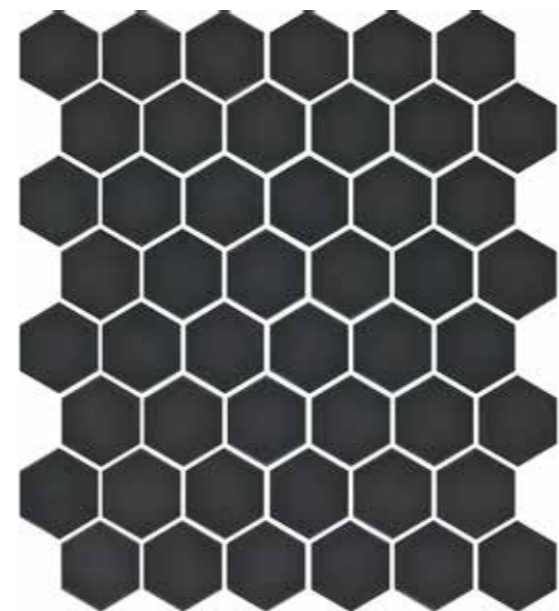
03	SIXTIES - MATT	<i>Novedad</i> <i>New</i>
17	SIXTIES - SHAPES	<i>Nouveauté</i>
23	SIXTIES	
45	IRON 5x5	
57	MIX DECOR	
65	SILK 5x5 / SILK	
75	CARACTERÍSTICAS TÉCNICAS	
	<i>THECHNICAL FEATURES</i>	
	<i>CARACTÉRISTIQUES TECHNIQUES</i>	



Sixties
by TOGAMA
MORE THAN MOSAIC
MATT

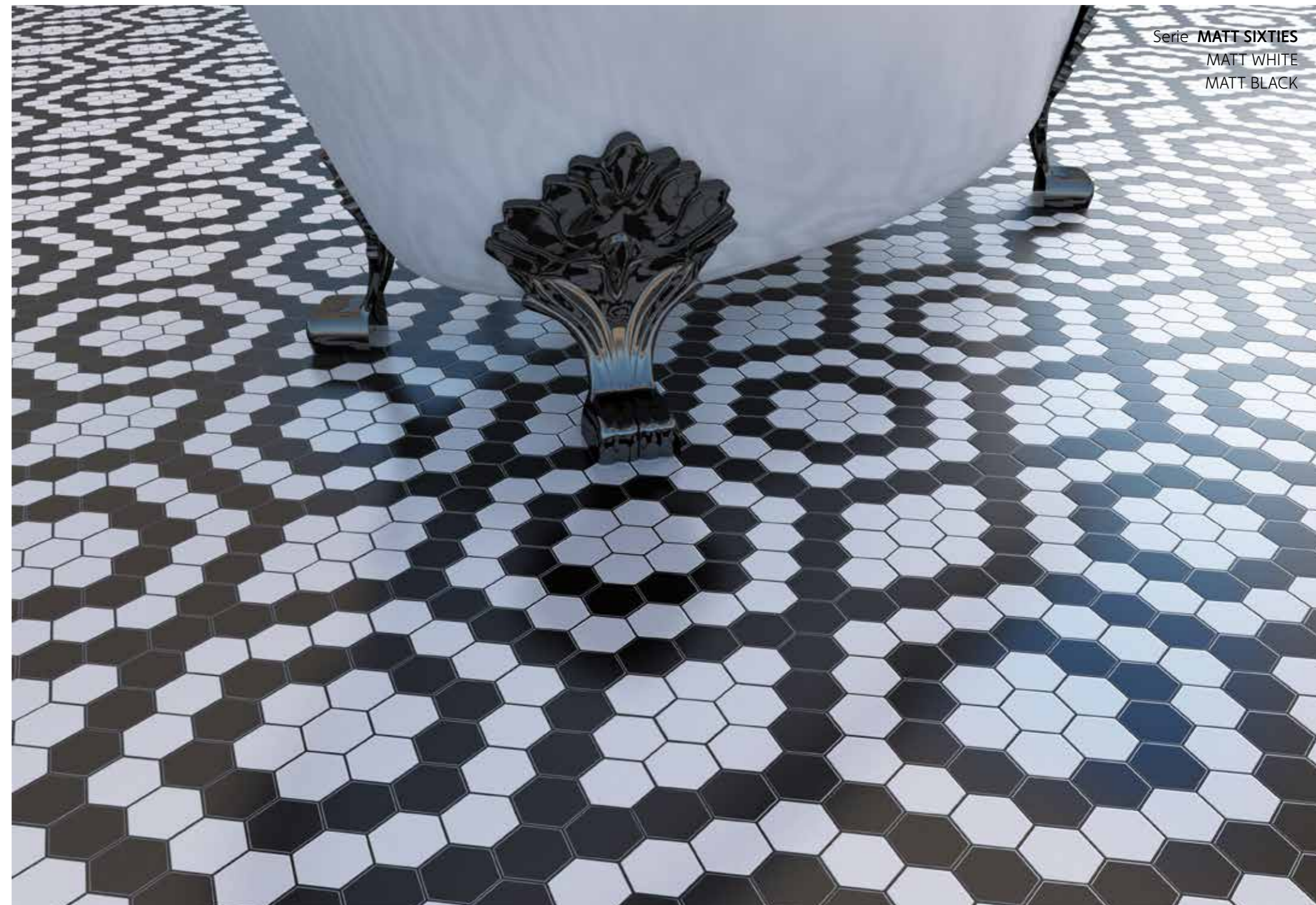


MATT WHITE
32 x 29 cm. | 12,60" x 11,42"
MA1860F D3



MATT BLACK
32 x 29 cm. | 12,60" x 11,42"
MA3060F D3

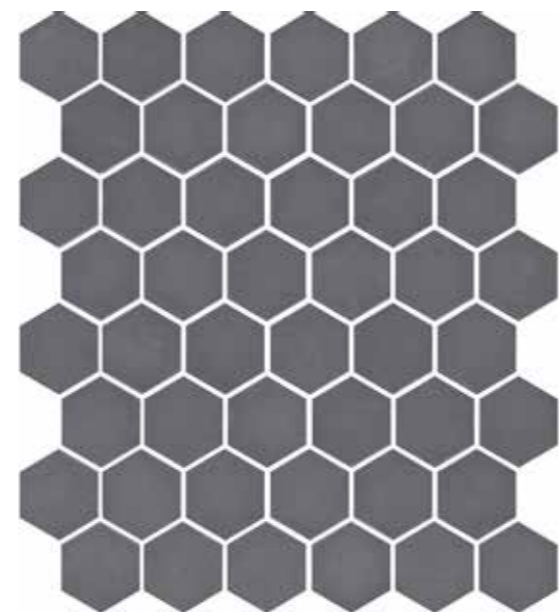
Mate | Matt



Serie **MATT SIXTIES**
MATT WHITE
MATT BLACK



MATT IVORY
32 x 29 cm. | 12,60" x 11,42"
MA3160F D3

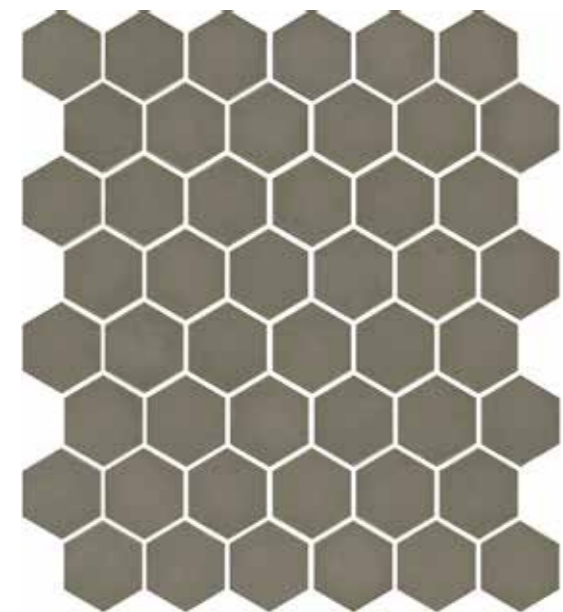


MATT GREY
32 x 29 cm. | 12,60" x 11,42"
MA2260F D3

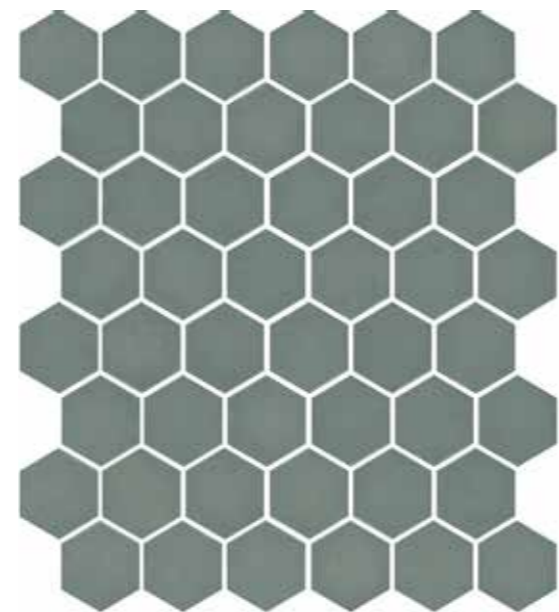
Mate | Matt



Serie **MATT SIXTIES**
MATT GREY



MATT TAUPE
32 x 29 cm. | 12,60" x 11,42"
MA2360F D3

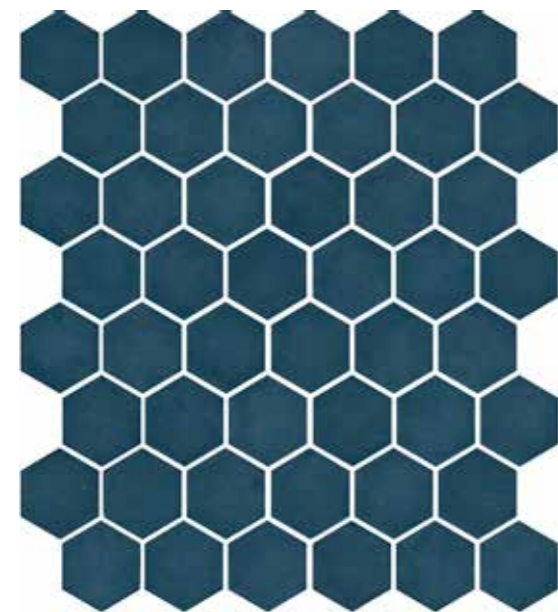


MATT KHAKI
32 x 29 cm. | 12,60" x 11,42"
MA2160F D3

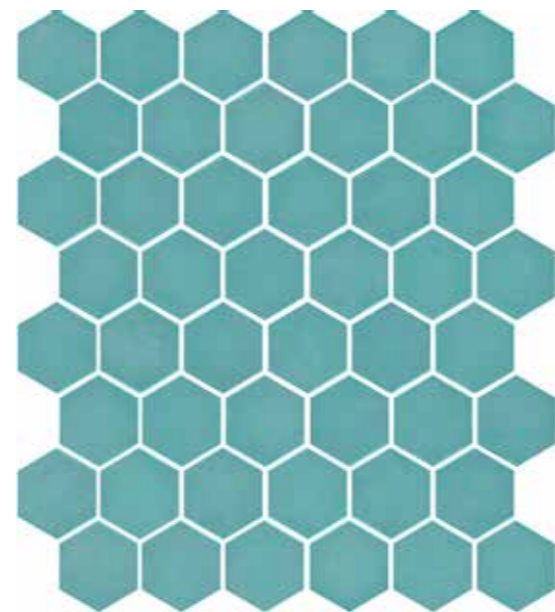
Mate | Matt



Serie **MATT SIXTIES**
MATT TAUPE

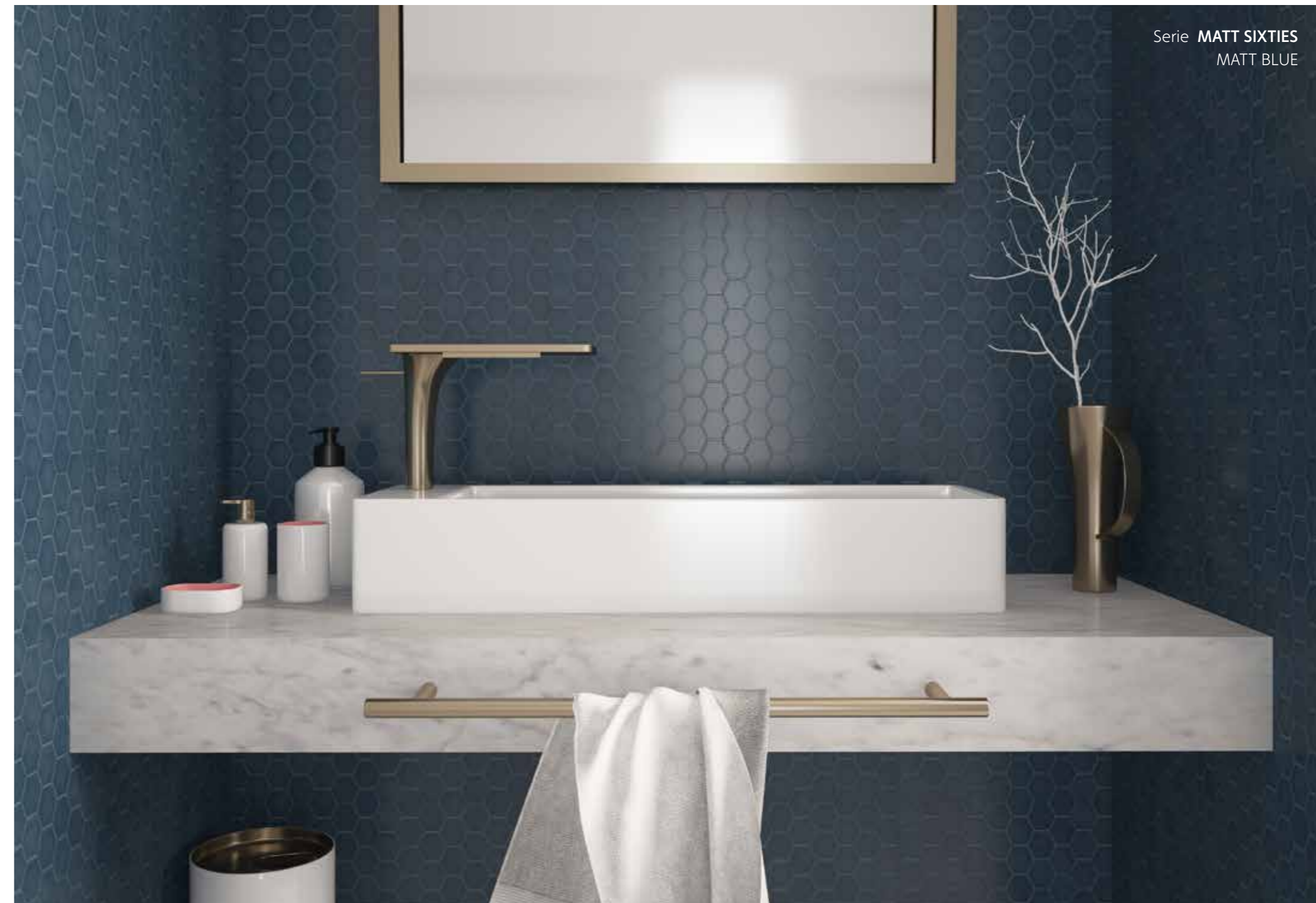


MATT BLUE
32 x 29 cm. | 12,60" x 11,42"
MA2660F D3

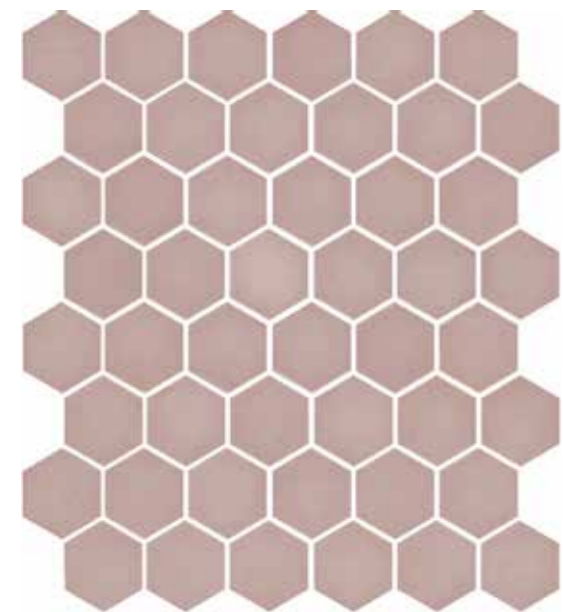


MATT TURQUOISE
32 x 29 cm. | 12,60" x 11,42"
MA2060F D3

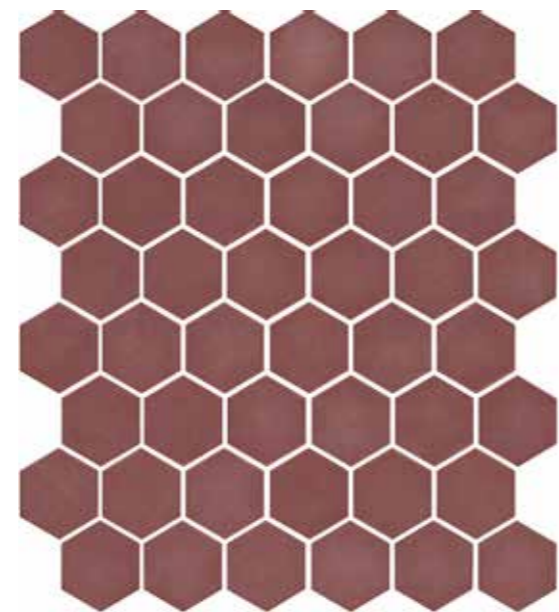
Mate | Matt



Serie **MATT SIXTIES**
MATT BLUE



MATT PINK
32 x 29 cm. | 12,60" x 11,42"
MA1960F D3

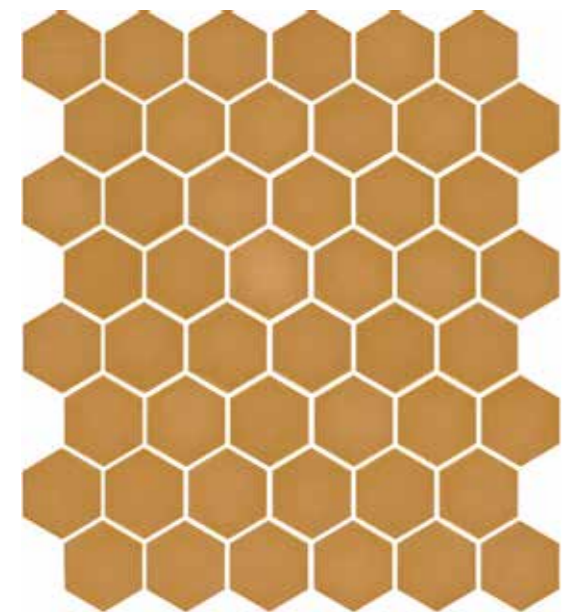


MATT BURGUNDY
32 x 29 cm. | 12,60" x 11,42"
MA2560F D3

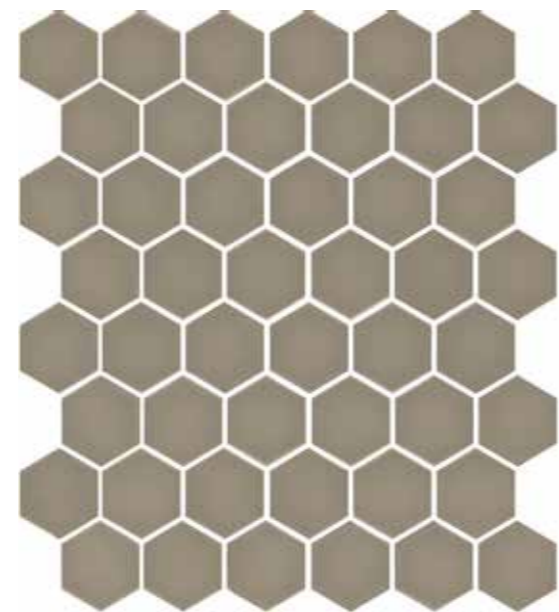
Mate | Matt



Serie **MATT SIXTIES**
MATT PINK

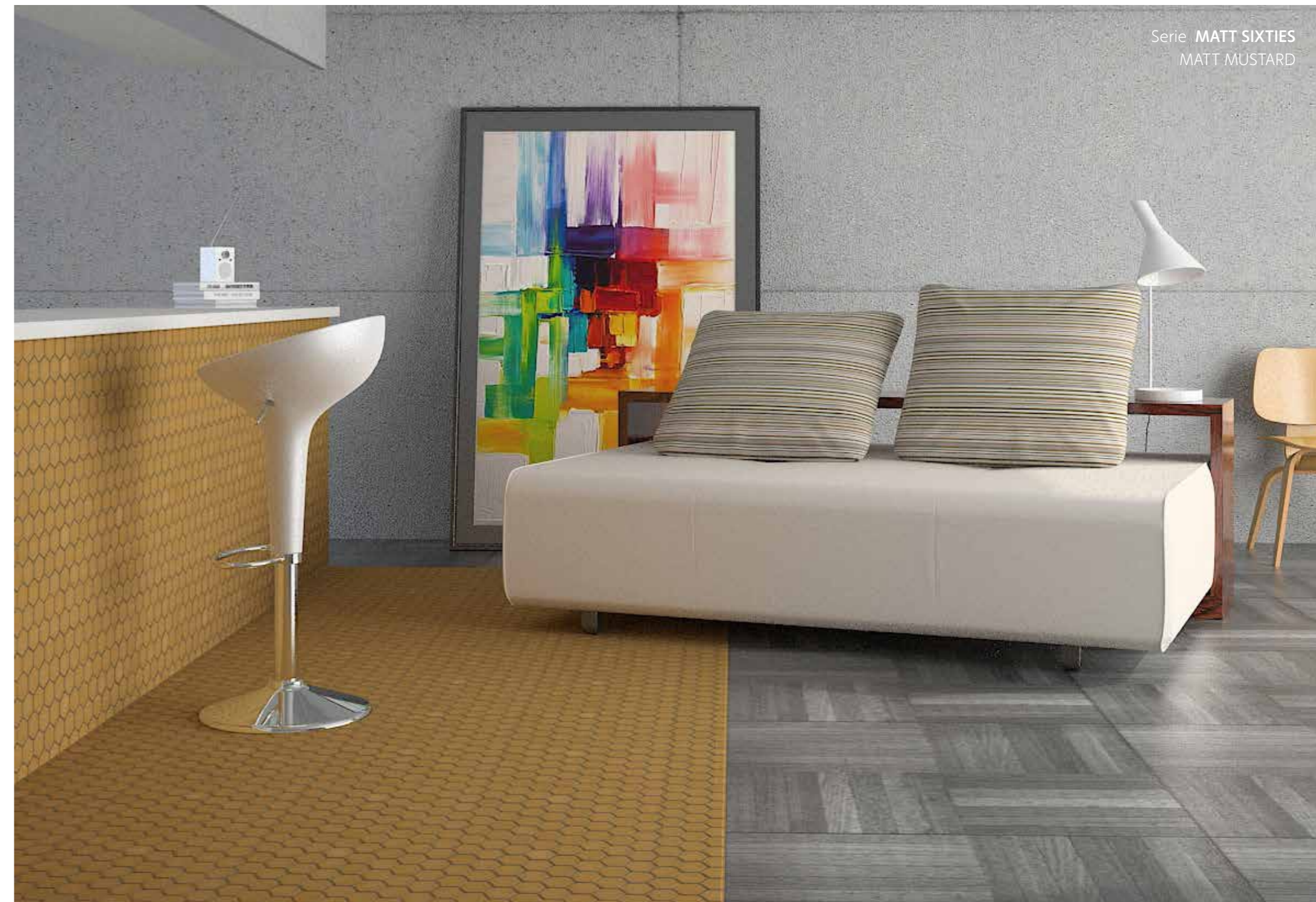


MATT MUSTARD
32 x 29 cm. | 12,60" x 11,42"
MA2460F D3



MATT SAND
32 x 29 cm. | 12,60" x 11,42"
MA3260F D3

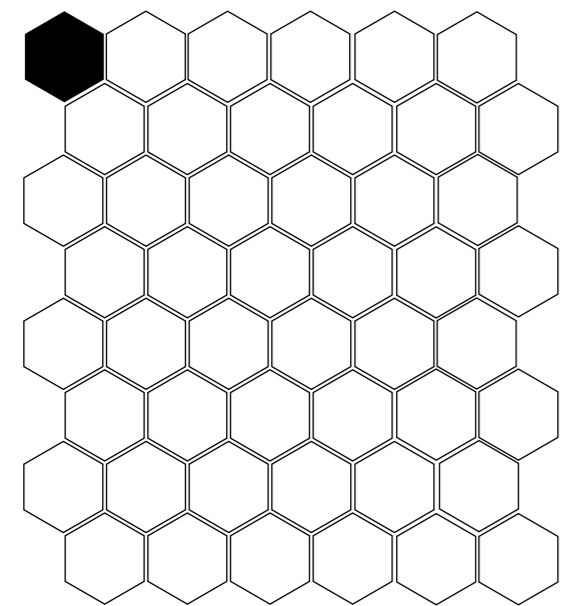
Mate | Matt



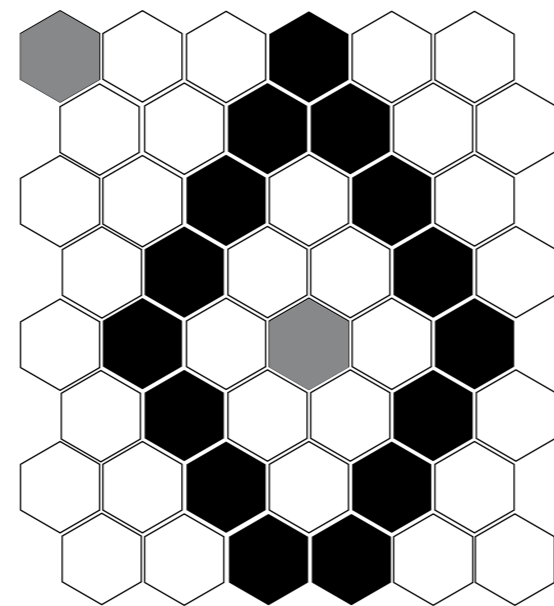


Sixties
by TOGAMA
MORE THAN MOSAIC

Shapes

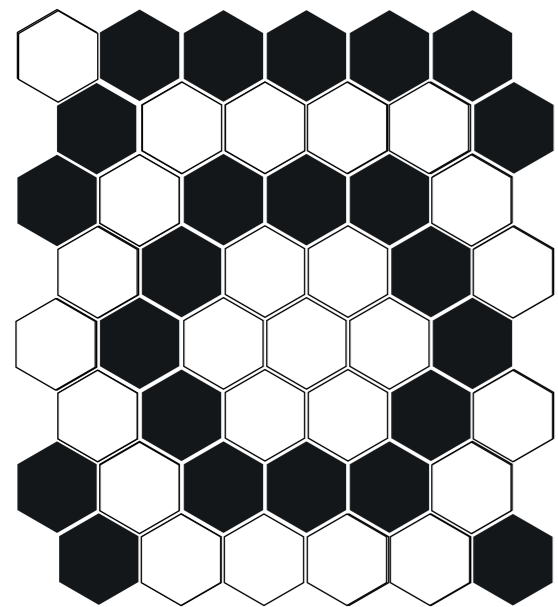


MATT CLASSIC
32 x 29 cm. | 12,60" x 11,42"
CLAS60F D4

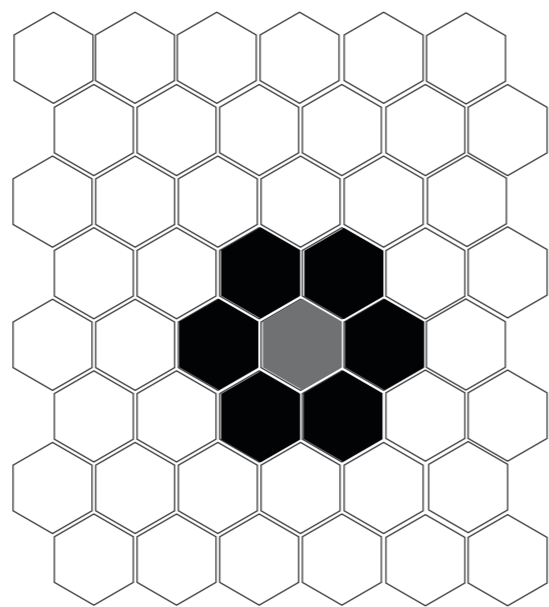


MATT ROMBO
32 x 29 cm. | 12,60" x 11,42"
ROMB60F D4

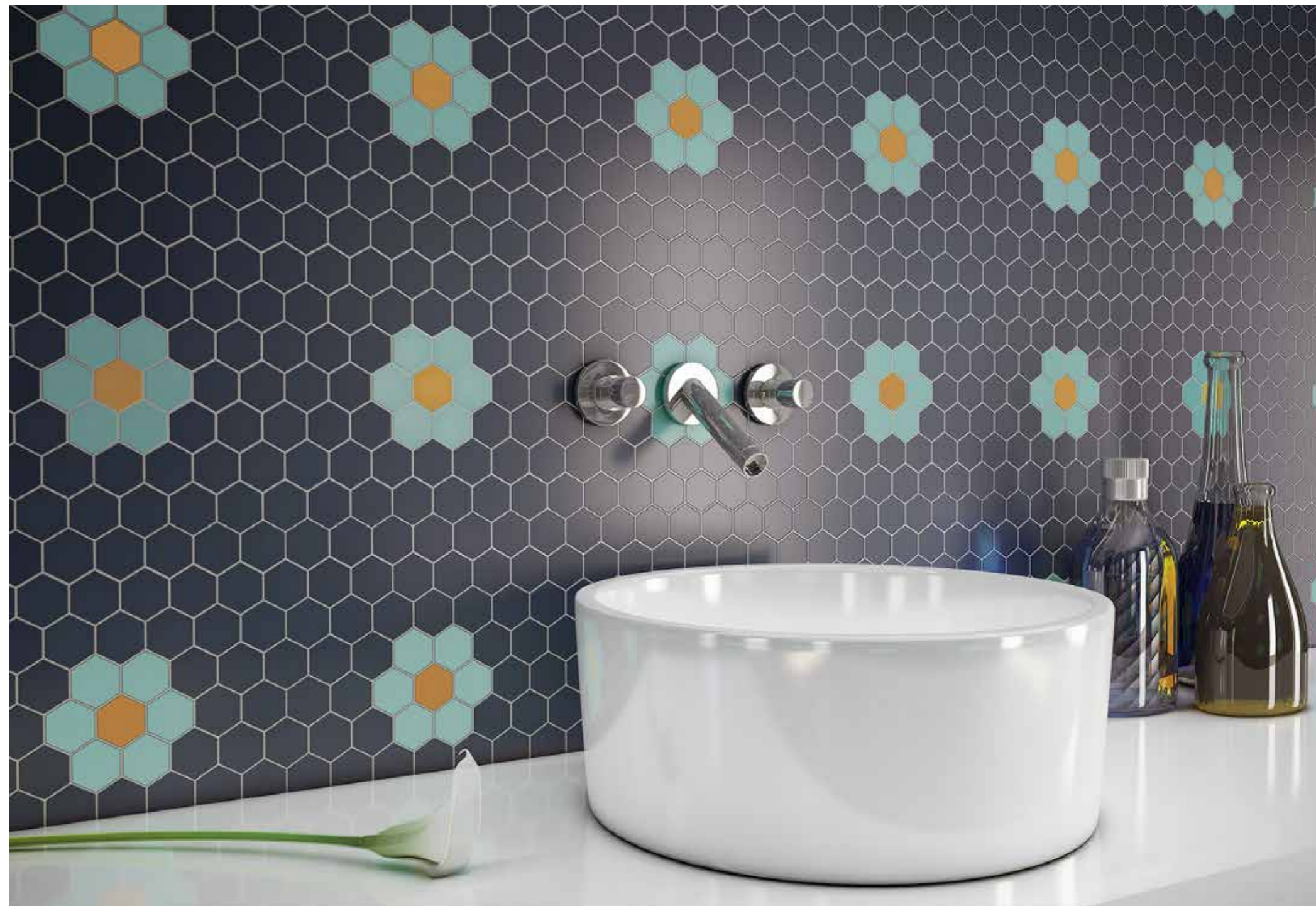




MATT PANAL
32 x 29 cm. | 12,60" x 11,42"
PANA60F D4



MATT FLOR
32 x 29 cm. | 12,60" x 11,42"
FLOR60F D4





Sixties
by Togama



GREY

32 x 29 cm. | 12,60" x 11,42"
GREY60F D3

Brillo / Mate / Relieve | Glossy / Matt / Relief



Serie **SIXTIES**
GREY



PINK
32 x 29 cm. | 12,60" x 11,42"
PINK60F D3

Brillo / Mate | Glossy / Matt



Serie **SIXTIES**
PINK



WHITE

32 x 29 cm. | 12,60" x 11,42"
WHIT60F D3

Brillo / Mate | Glossy / Matt



Serie **SIXTIES**
WHITE



BURGUNDY

32 x 29 cm. | 12,60" x 11,42"
BURG60F D3

Brillo / Mate | Glossy / Matt



Serie **SIXTIES**
BURGUNDY



MUSTARD

32 x 29 cm. | 12,60" x 11,42"
MUST60F D3

Brillo / Mate | Glossy / Matt



Serie **SIXTIES**
MUSTARD



KHAKI

32 x 29 cm. | 12,60" x 11,42"
KHAK60F D3

Brillo / Mate | Glossy / Matt



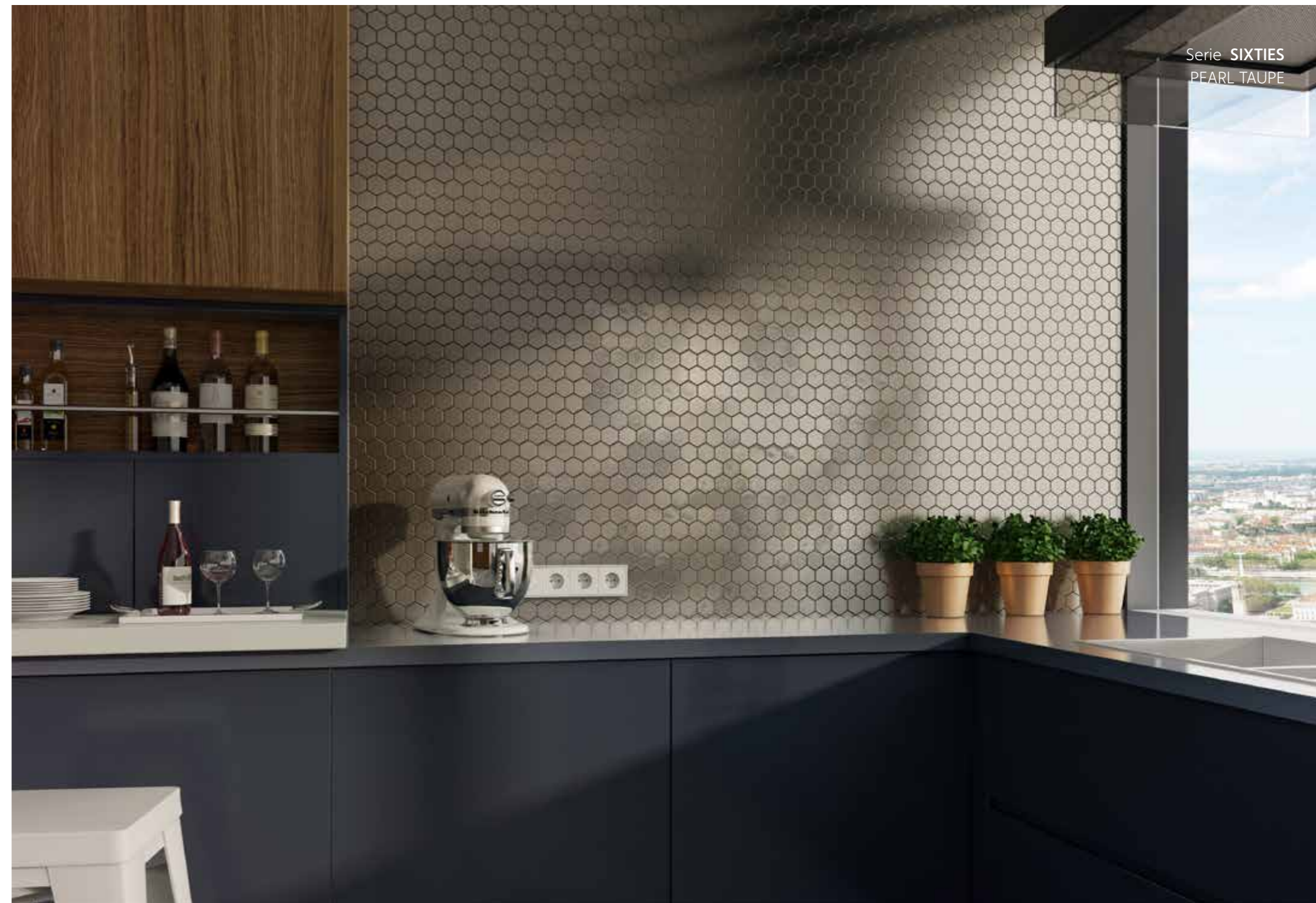
Serie **SIXTIES**
KHAKI



PEARL TAUPE

32 x 29 cm. | 12,60" x 11,42"
G33560F D3

Brillo | Glossy



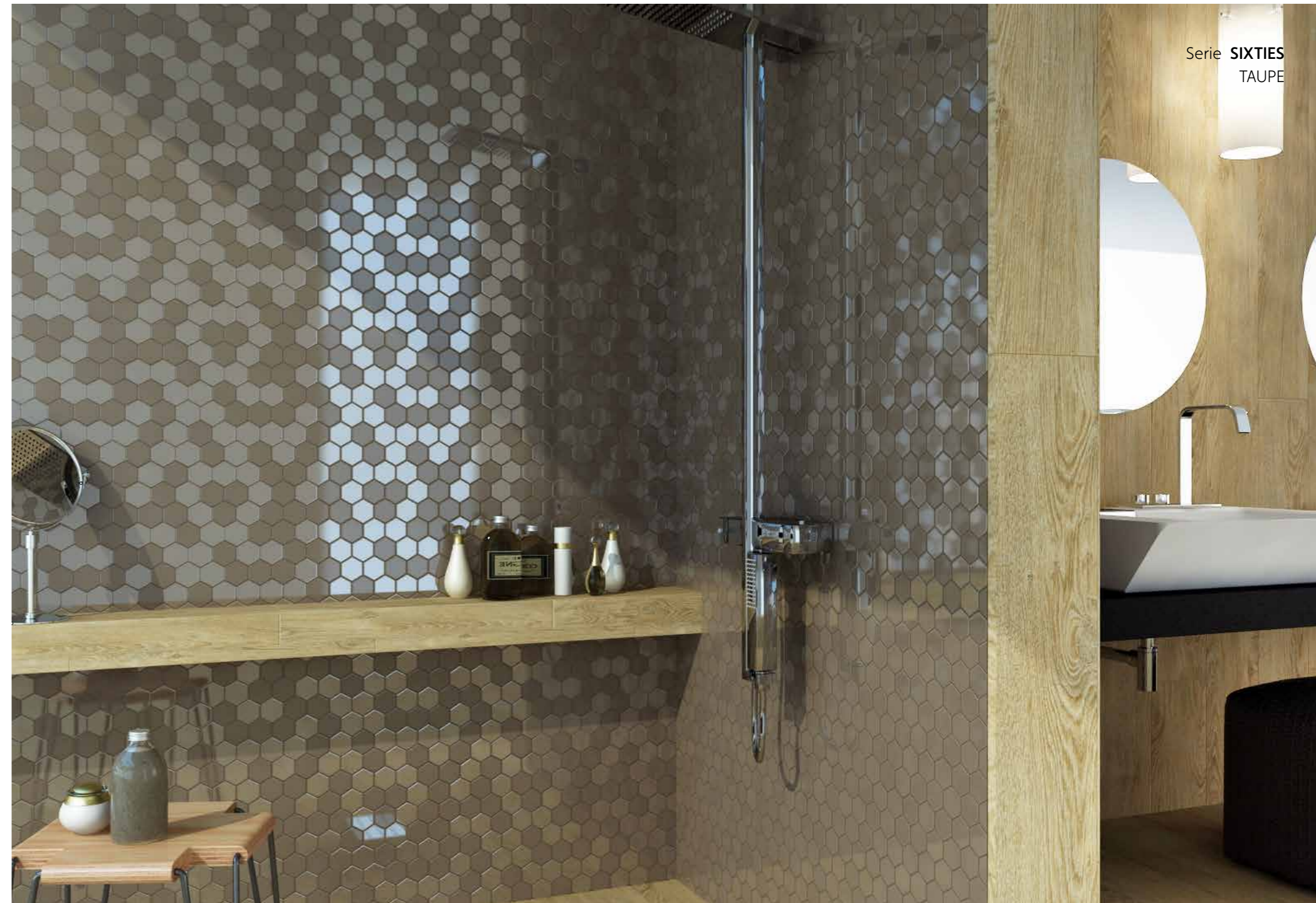
Serie **SIXTIES**
PEARL TAUPE



TAUPE

32 x 29 cm. | 12,60" x 11,42"
TAUP60F D3

Brillo / Mate | Glossy / Matt





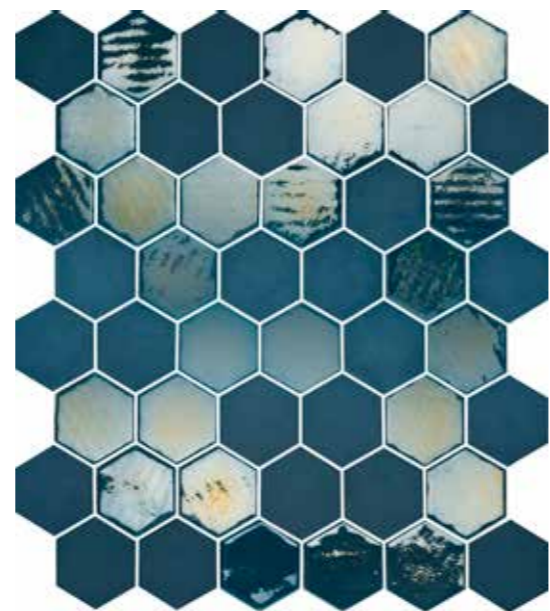
TURQUOISE

32 x 29 cm. | 12,60" x 11,42"
TURQ60F D3

Brillo / Mate | Glossy / Matt



Serie **SIXTIES**
TURQUOISE



BLUE
32 x 29 cm. | 12,60" x 11,42"
BLUE60F D3

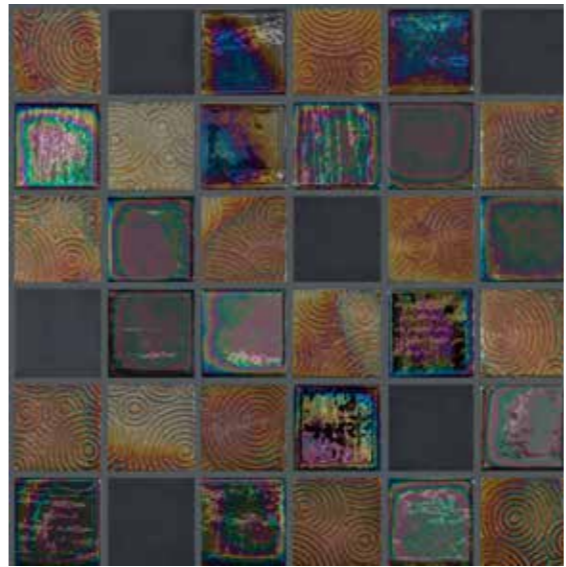
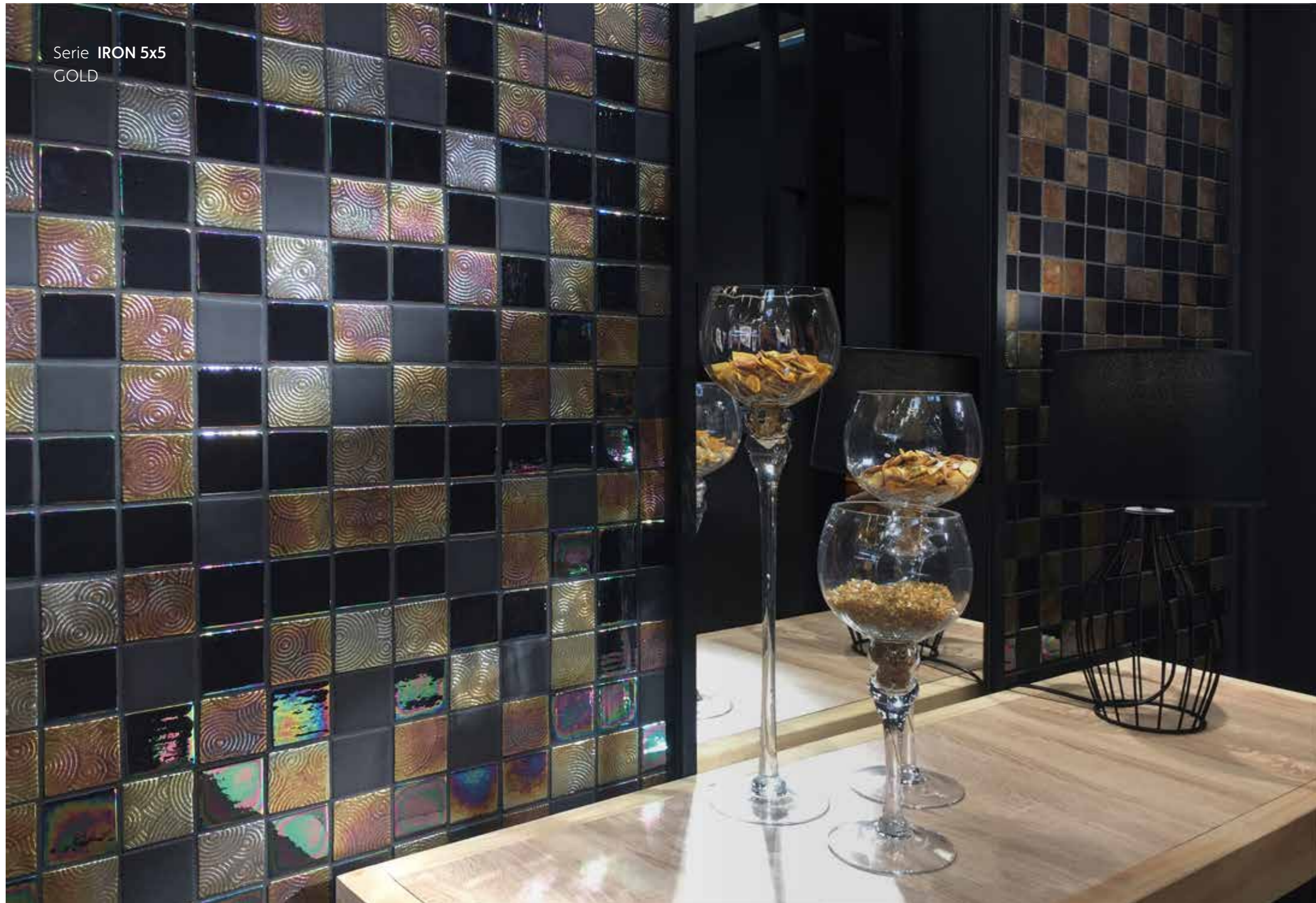
Brillo / Mate | Glossy / Matt



Serie **SIXTIES**
BLUE



5x5
Iron



GOLD
31 x 31 cm. | 12,20" x 12,20"
GOLD50F B10

Brillo / Mate / Relieve | Glossy / Matt / Relief





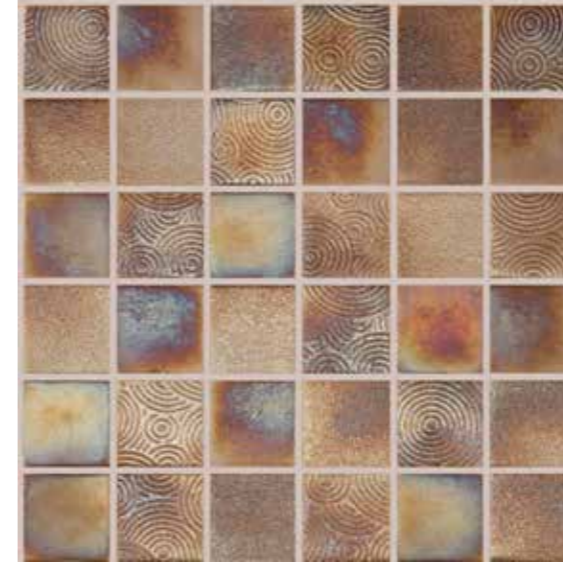
OXID
31 x 31 cm. | 12,20" x 12,20"
OXID50F B10

Brillo | Glossy





Serie IRON 5x5
BRONZE



BRONZE
31 x 31 cm. | 12,20" x 12,20"
BRON50F B10



COPPER
31 x 31 cm. | 12,20" x 12,20"
COPP50F B9

Brillo / Mate / Relieve | Glossy / Matt / Relief

Brillo | Glossy



Serie **IRON 5x5**
SILVER



SILVER
31 x 31 cm. | 12,20" x 12,20"
SILV50F B10

Brillo / Mate / Relieve | Glossy / Matt / Relief



STEEL
31 x 31 cm. | 12,20" x 12,20"
STEE50F B9

Brillo | Glossy



Serie **IRON 5x5**
STEEL



Serie **IRON 5x5**
HERMES



HERMES 5X5
31 x 31 cm. | 12,20" x 12,20"
HERM50F B10

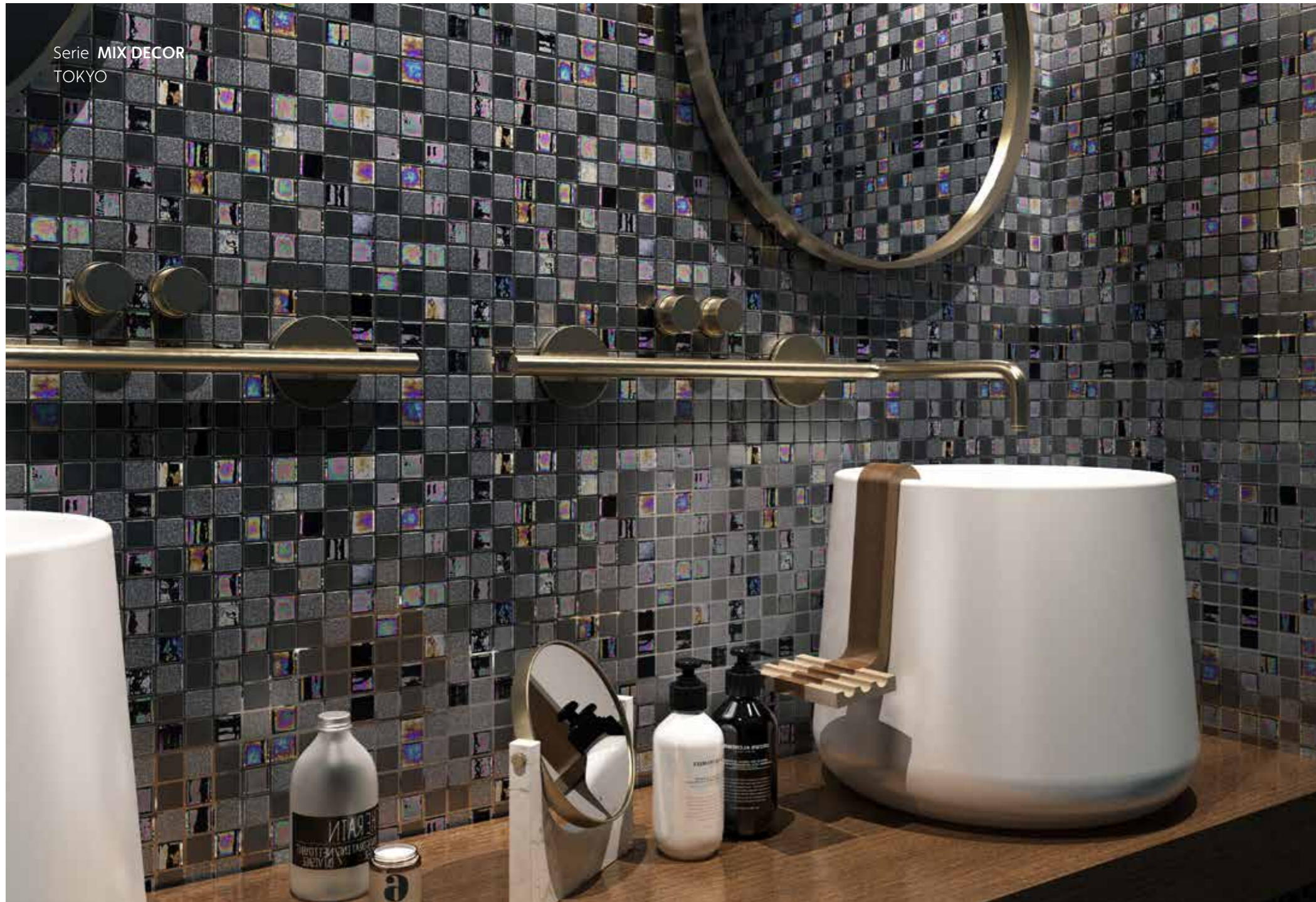


TERRA 5X5
31 x 31 cm. | 12,20" x 12,20"
TERR50F B10

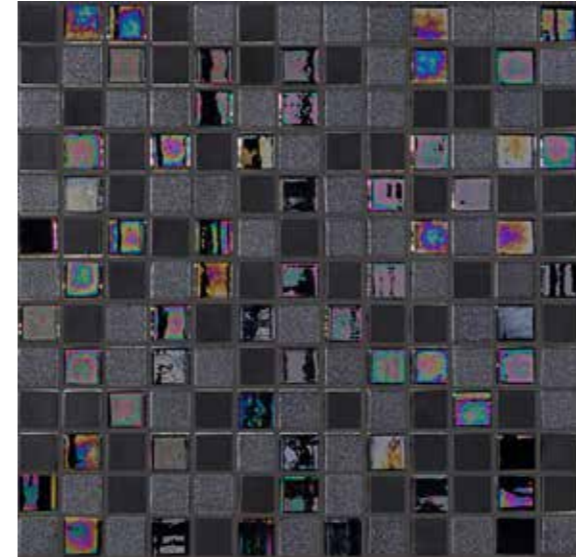
Brillo / Mate / Relieve | Glossy / Matt / Relief



SERIE
MIX DECOR

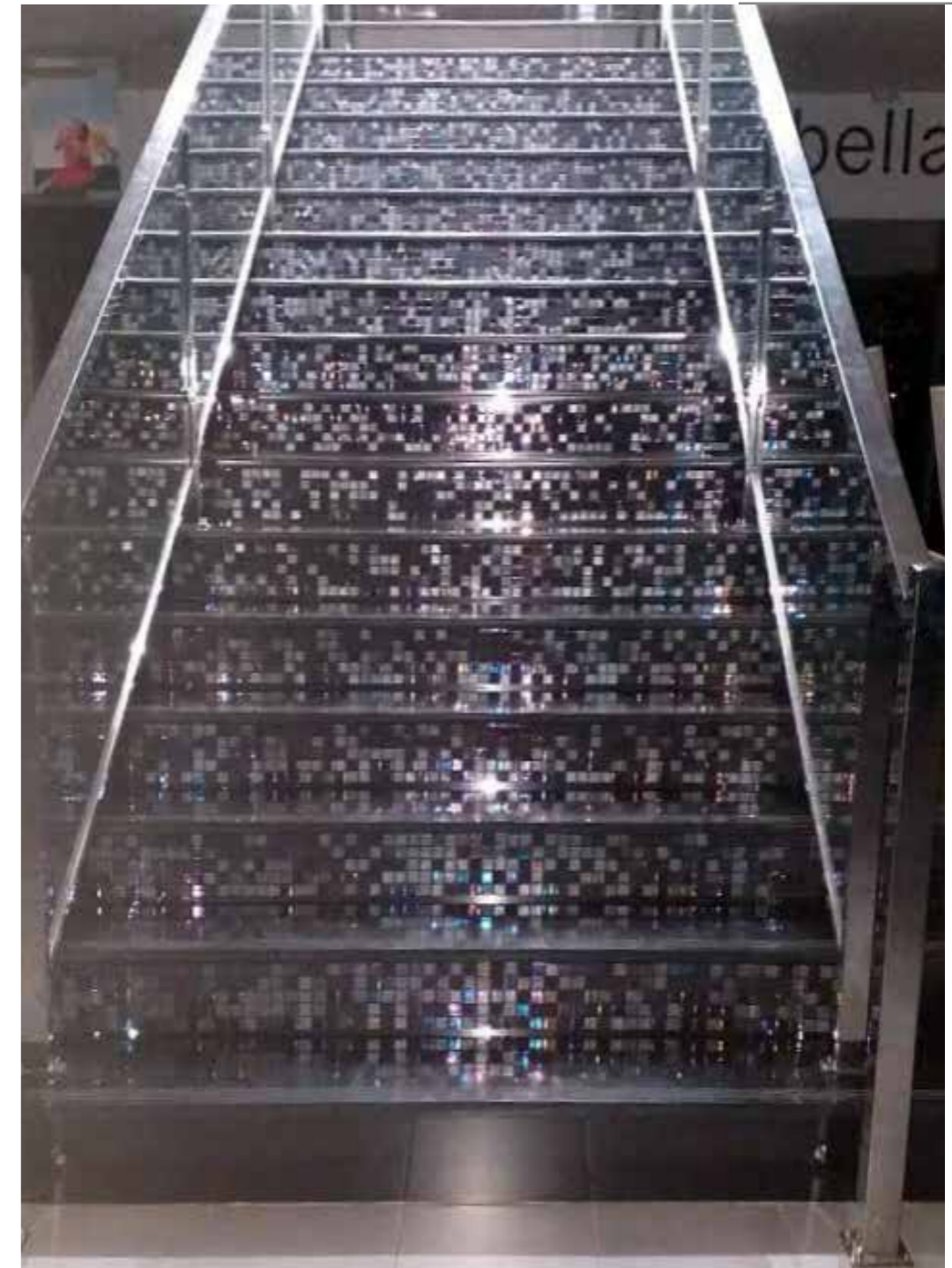


Serie MIX DECOR
TOKYO

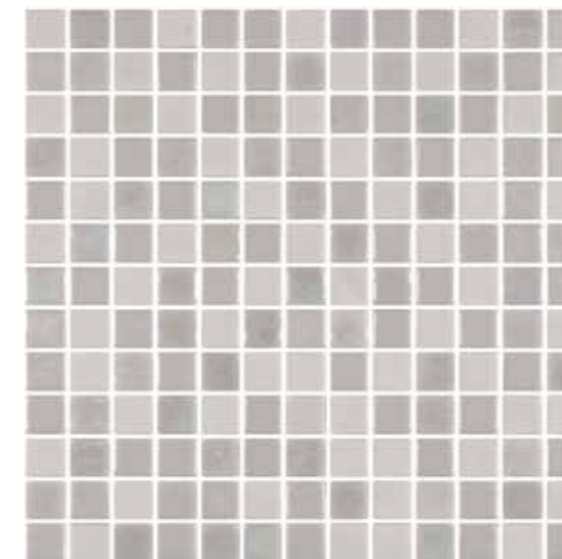
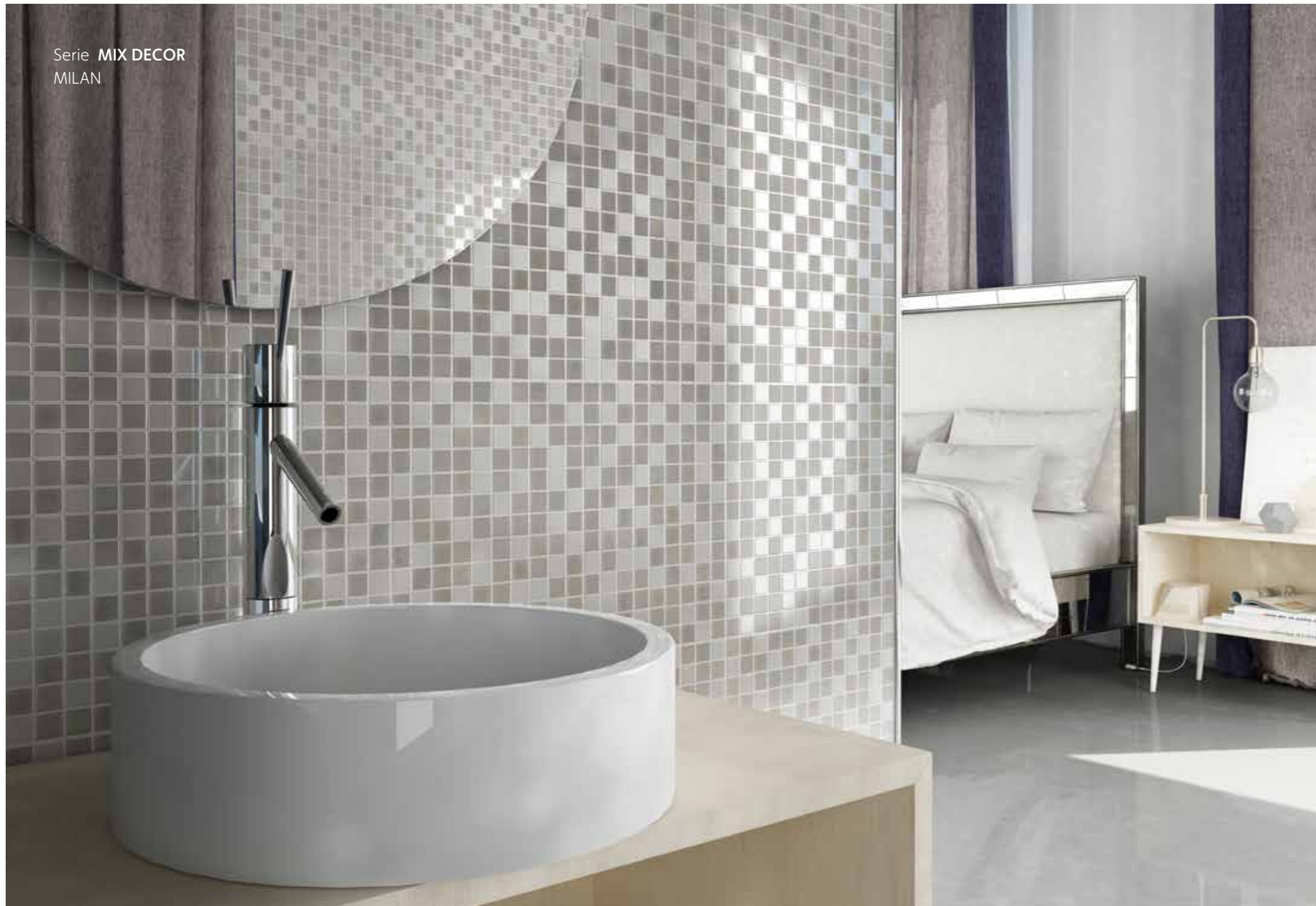


TOKYO
33,4 x 33,4 cm. | 13,15" x 13,15"
33% MA09 / 33% MT05 / 33% G312
TOKY25Y L5

Brillo / Mate | Glossy / Matt



Serie **MIX DECOR**
MILAN



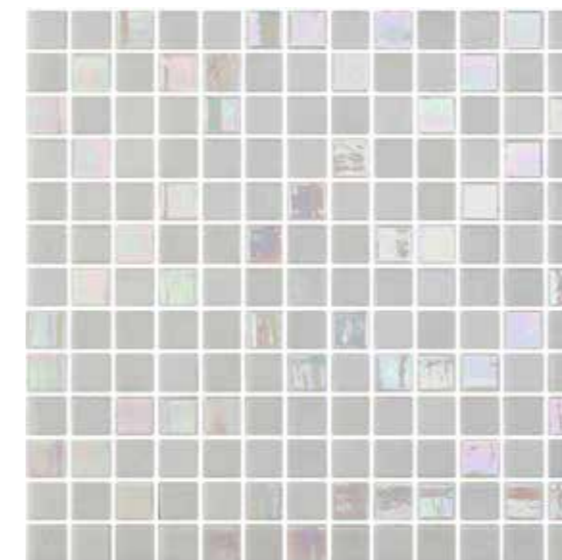
MILAN
33% MA13 / 33% MT07 / 33% G329
MILA25Y L5



DURBAN
33,4 x 33,4 cm. | 13,15" x 13,15"
33% MA14 / 33% MT08 / 33% G330
DURB25Y L5

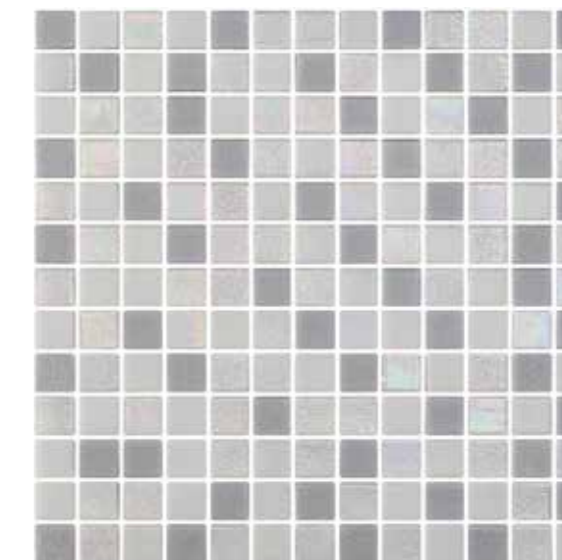
Brillo / Mate | Glossy / Matt

Serie **MIX DECOR**
PARIS



PARIS

33,4 x 33,4 cm. | 13,15" x 13,15"
33% NIEBLA BLANCO / 33% MT04 / 33% G305
PARI25Y L4



SYDNEY

33,4 x 33,4 cm. | 13,15" x 13,15"
33% NIEBLA BLANCO / 33% MT01 / 33% G328
SYDN25Y L4

Brillo / Mate | Glossy / Matt

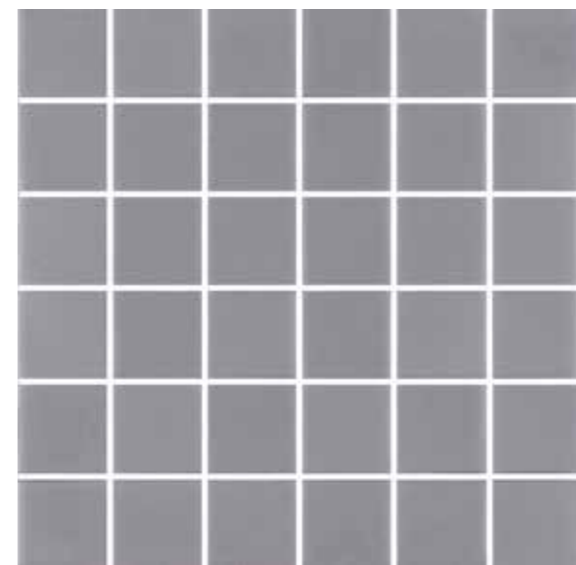


S E R I E
5ILK

S E R I E
SILK



Serie 5ILK
558

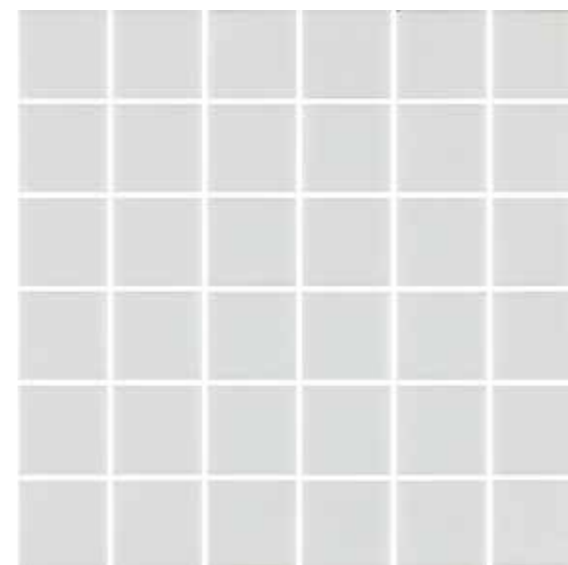


558 ANTIDESLIZANTE
31 x 31 cm. | 12,20" x 12,20"
055850A B8

Mate | Matt



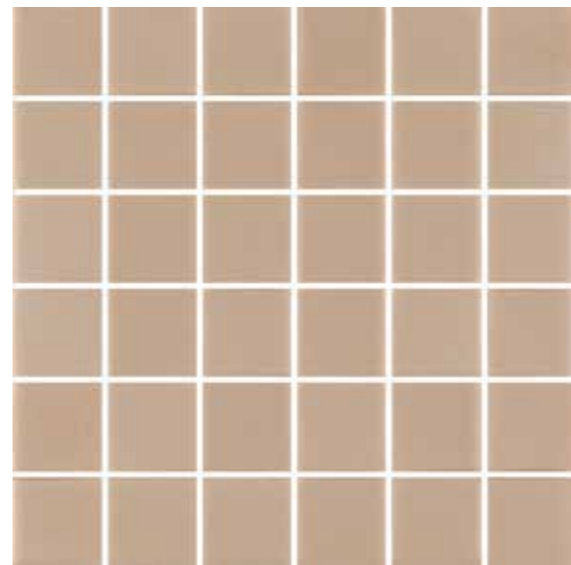
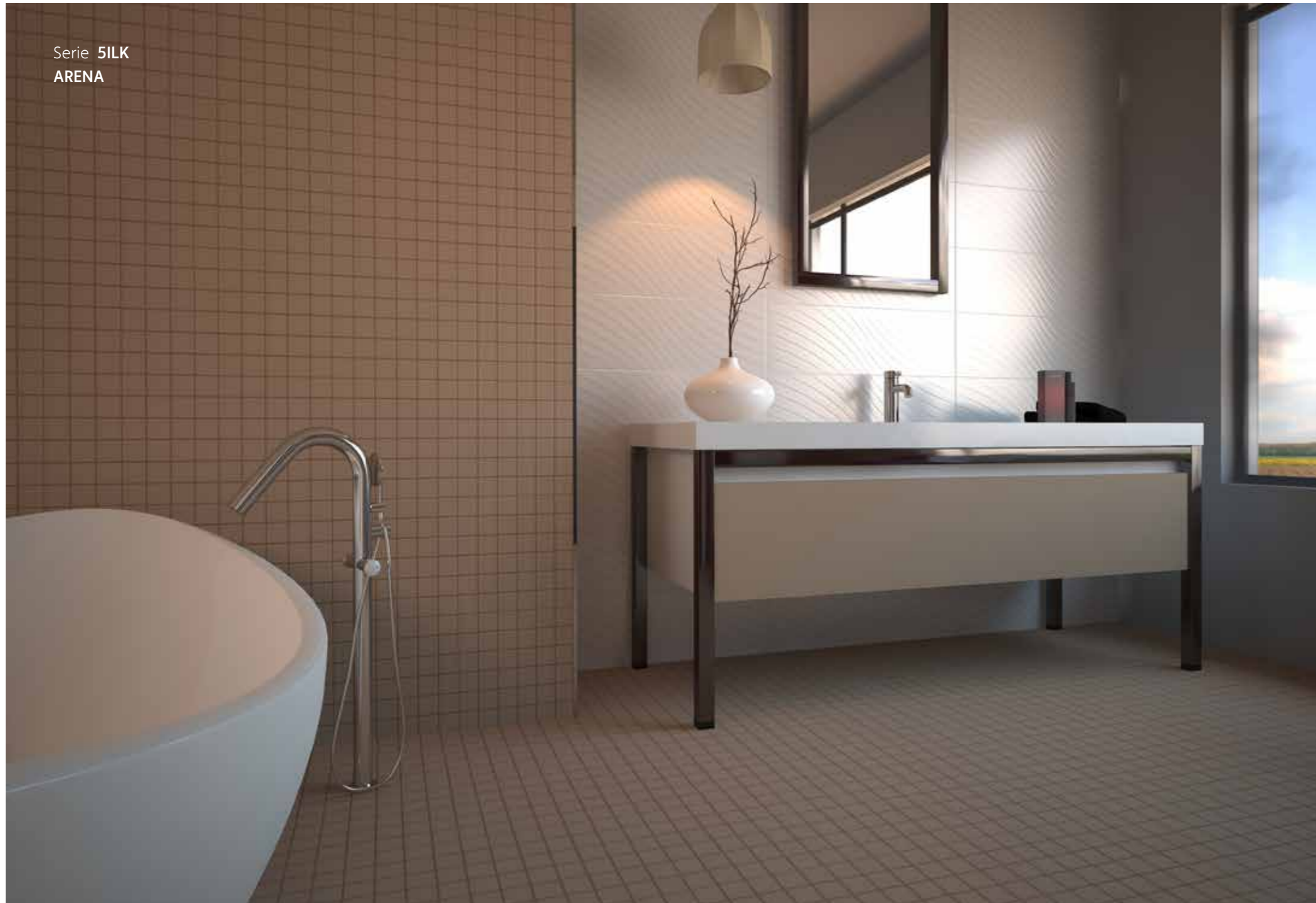
Serie 5ILK
BLANCO



BLANCO ANTIDESLIZANTE
31 x 31 cm. | 12,20" x 12,20"
BNC050A B8

Mate | Matt

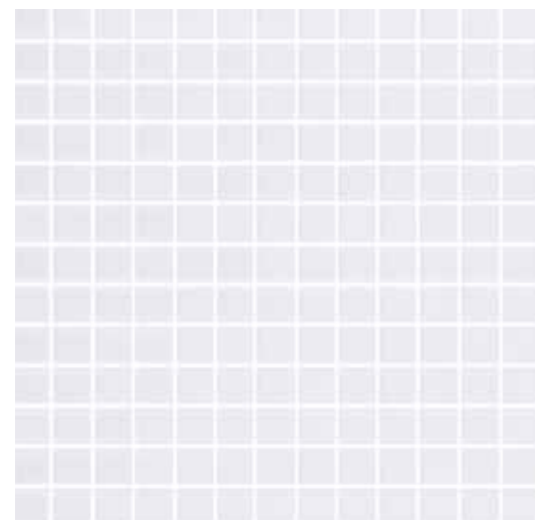




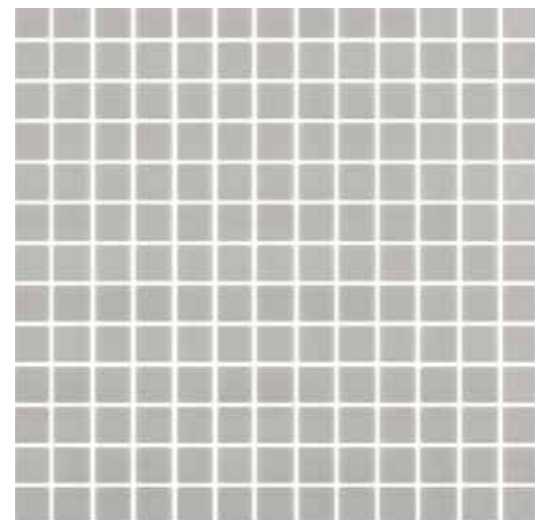
ARENA ANTIDESLIZANTE
31 x 31 cm. | 12,20" x 12,20"
AREN50A B8

Mate | Matt

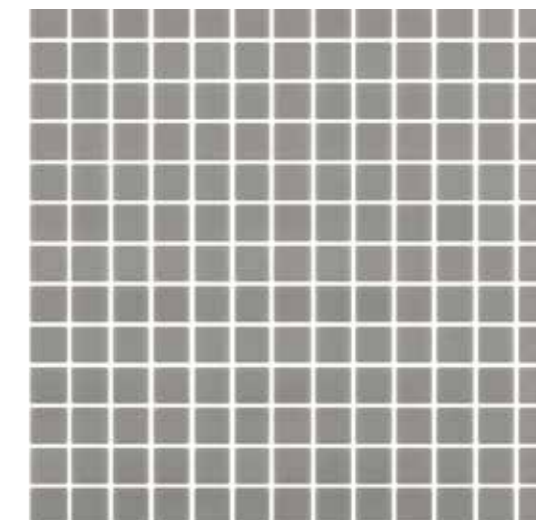




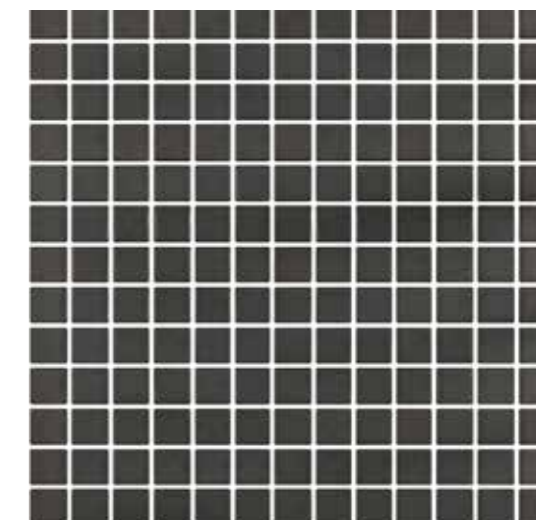
BLANCO ANTIDESLIZANTE
33,4 x 33,4 cm. | 13,15" x 13,15"
BNCO25AY B1



GRIS CLARO ANTIDESLIZANTE
33,4 x 33,4 cm. | 13,15" x 13,15"
GRCL25AY B3



258 ANTIDESLIZANTE
33,4 x 33,4 cm. | 13,15" x 13,15"
O25825AY B3



NEGRO ANTIDESLIZANTE
33,4 x 33,4 cm. | 13,15" x 13,15"
NEGR25AY B3

CARACTERÍSTICAS TÉCNICAS

TECHNICAL FEATURES

CARACTÉRISTIQUES TECHNIQUES



VIDRIO RECICLADO
RECYCLED GLASS
VERRE RECYCLÉ

“El contenido de esta Autodeclaración Ambiental de Producto cumple con los requisitos establecidos en la norma UNE EN ISO 14021 y ha sido verificada por el Instituto de Tecnología Cerámica en fecha 01/12/2014”.

Documento enmarcado en el proyecto ECHOES, financiado por el programa CIP-EIP de la Comisión Europea (referencia ENT/CIP/12/D/N04S00) en el que el Instituto de Tecnología Cerámica (ITC) participa como experto subcontratado por el IVACE.

“The content of this Environmental Product Self-declaration complies with the requirements established in the UNE EN ISO 14021 standard and has been verified by the Institute of Ceramic Technology on 01/12/2014”.

Document framed in the ECHOES project, financed by the CIP-EIP program of the European Commission (reference ENT / CIP / 12 / D / N04S00) in which the Institute of Ceramic Technology (ITC) participates as an expert subcontracted by the IVACE.

“Le contenu de cette déclaration environnementale de produit est conforme aux exigences de la norme UNE EN ISO 14021 et a été vérifié par l'Institut de la technologie de la céramique le 01/12/2014”.

Document intégré au projet ECHOES, financé par le programme CIP-EIP de la Commission européenne (référence ENT / CIP / 12 / D / N04S00), auquel l'Institut de la technologie de la céramique (ITC) participe en tant qu'expert sous-traité par IVACE.

TECHNICAL FEATURES

NORMA	DESCRIPCIÓN NORMA	SIXTIES	IRON 5x5	MIX DECOR	SILK 5x5	SILK
UNE-EN ISO 10545-3	ABSORCIÓN DE AGUA / WATER ABSORPTION / ABSORPTION D'EAU	< 0,10%	<0,10%	<0,10%	<0,10%	<0,10%
UNE-EN ISO 10545-12	RESISTENCIA A LA HELADA / FROST RESISTANCE / RÉSISTANCE AU GEL	RESISTE	RESISTE	RESISTE	RESISTE	RESISTE
UNE-EN ISO 10545-13	RESISTENCIA QUÍMICA / CHEMICAL RESISTANCE / RÉSISTANCE CHIMIQUE	A/LA/HA	A/LB(V)/HB(V)	A/LA/HA	A/LA/HA	A/LA/HA
UNE-EN ISO 10545-14	RESISTENCIA A LAS MANCHAS / STAIN RESISTANCE / RÉSISTANCE AU XTÂCHE	CLASE 4	CLASE 5	CLASE 5	CLASE 5	CLASE 5
UNE 67-101:1985+1M:92	DUREZA AL RAYADO DE LA SUPERFICIE MOHS SCRATCH HARDNESS ACCORDING TO MOHS RÉSISTANCE AUX RAILLURE SELONT PARAMÈTRE MOHS	5	6	4	7	7
UNE-ENV 12633	RESISTENCIA AL DESLIZAMIENTO (PÉNDULO) SLIP RESISTANCE (PENDULUM) COÉFICIENT DE FRICTION DINAMIQUE SELON MÉTHODE (PENDULE)				CLASE 3	CLASE 3
DIN 51130 Apdo 5	ÁNGULO CRÍTICO DE DESLIZAMIENTO (RAMPA) CRITICAL ANGLE OF SLIP (INCLINED PLATFORM) ANGLE CRITIQUE ANTIDÉRAPANT (RAMPE)				R11	R11
DIN 51097	ÁNGULO CRÍTICO DE DESLIZAMIENTO. ZONAS HUMEDAS DE ANDAR DESCALZO. CRITICAL ANGLE OF SLIP, WET-LOADED BAREFOOT AREAS ANGLE CRITIQUE ANTIDÉRAPANT EN ZONES HUMIDES A PIED NUE				CLASE C	CLASE C
ISO/DIS 10545-17	COEFICIENTE DE FRICCIÓN DINÁMICO (TORTUS) DYNAMIC COEFFICIENT OF FRICTION (TORTUS) COÉFICIENT DE FRICTION DINAMIQUE (TORTUS)				SATISFACTORIO	SATISFACTORIO

PACKING LIST

FAMILY SÉRIE FAMILIA	FORMAT FORMATO	BOX BOÎTE CAJA				PALLET PALETTE PALET			EUROPALLET EUROPALETTE EUROPALET		
		BOX BOÎTE CAJA	KG/BOX KG/BOÎTE KG/CAJA	SHEETS/BOX PLAQUES/BOÎTE PLACAS/CAJA	DIMENSION OF SHEET MESURE DE LA PLAQUE DIMENISÓN PLACA (cm)	PALLET PALETTE PALET (m2)	BOXES/PAL BOÎTES/PAL CAJAS/PAL	KG/PAL KG/PAL KG/PAL	EUROPALLET EUROPALETTE EUROPALET (m2)	BOXES/EPAL BOÎTES/EPAL CAJAS/EPAL	KG/EPAL KG/EPAL KG/EPAL
SIXTIES	50x44	1 m2	11 kgs	11	32,5 X 29,4	54 m2	54 boxes	604 kgs	36 m2	36 boxes	406 kgs
IRON 5X5	50x50	1 m2	11 kgs	10	30,7 X 30,7	54 m2	54 boxes	604 kgs	36 m2	36 boxes	406 kgs
MIX DECOR	25X25	2 m2	18 kgs	18	33,4 X 33,4	144 m2	72 boxes	1.306 kgs	96 m2	48 boxes	874 kgs
SILK 5X5	50x50	2 m2	22 kgs	20	30,7 X 30,7	108 m2	54 boxes	1.198 kgs	72 m2	36 boxes	802 kgs
SILK	25X25	2 m2	18 kgs	18	33,4 X 33,4	144 m2	72 boxes	1.306 kgs	96 m2	48 boxes	874 kgs

INSTALLATION INSTRUCTIONS

PREPARACIÓN DEL SOPORTE

El soporte debe de ser una superficie lisa y sin imperfecciones. Debe de estar limpia, estable y tener un grado de humedad inferior al 3%.

MATERIALES DE AGARRE

Es recomendable un cemento cola específico para producto de absorción cero, de ligantes mixtos y deformables.

JUNTA

Recomendamos una lechada tapajuntas en base cementosa para junta fina, sin árido, deformable, hidrófuga y antimanchas.

Especial atención al rejuntado de materiales mates y antideslizantes clase 3 con juntas coloreadas.

Antes del rejuntado de estos acabados de mosaico o en caso de altas temperaturas es aconsejable pasar una esponja húmeda para obtener dichas porosidades o enfriar la superficie, sin provocar encharques de agua dentro de las juntas.

PROTECCIÓN, MANTENIMIENTO Y LIMPIEZA DE LAS JUNTAS

Recomendamos proteger las juntas cementosas con un producto impermeabilizante (las juntas epoxi no necesitan protección).

Para zonas de alta concentración de agua y humedad (piscinas, duchas...) se recomienda la aplicación de un producto hidrófugo.

Para mantener las juntas en perfecto estado se recomienda el empleo de un detergente específico de mantenimiento.

CORTE

En TOGAMA recomendamos la radial antes que las tenazas puesto que el corte resultante es un corte de mayor calidad y sobre todo porque es un corte sin filo, que no corta.

SUPPORT PREPARATION

The support must be a smooth surface and without imperfections. It must be clean, stable and have a humidity level of less than 3%.

GRIP MATERIALS

A specific adhesive cement is recommended for zero absorption product, mixed and deformable binders.

JOINTS

We recommend a cement-based grout for thin joint, without aggregate, deformable, water-repellent and anti-stain.

Special attention to the grouting of matte and non-slip class 3 materials with colored joints.

Before grouting these mosaic finishes or in case of high temperatures it is advisable to use a damp sponge to clog such porosities or cool the surface, without causing water puddles inside the joints.

PROTECTION, MAINTENANCE AND CLEANING OF THE JOINTS

We recommend protecting cementitious joints with a waterproofing product (epoxy joints do not need protection).

For areas of high water concentration and humidity (swimming pools, showers ...) the application of a water-resistant product is recommended.

To maintain the joints in perfect condition, the use of a specific maintenance detergent is recommended.

CUT

In TOGAMA we recommend the radial before the pliers since the resulting cut is a cut of higher quality and especially because it is a dull cut, which does not cut.

PRÉPARATION DU SUPPORT

Le support doit être une surface lisse et sans imperfections. Il doit être propre, stable et avoir un taux d'humidité inférieur à 3%.

GRIP MATERIALS

Un ciment adhésif spécifique est recommandé pour les liants à absorption nulle, mixtes et déformables.

JOINTS

Nous recommandons un coulis à base de ciment pour joint mince, sans agrégat, déformable, hydrofuge et antitache.

Attention particulière au scellement des matériaux mats et antidérapants de classe 3 avec joints colorés.

Avant de sceller ces finitions mosaïques ou en cas de températures élevées, il est conseillé d'utiliser une éponge humide obstruer de telles porosités ou refroidir la surface, sans causer de flaques d'eau à l'intérieur des joints.

PROTECTION, ENTRETIEN ET NETTOYAGE DES JOINTS

Nous recommandons de protéger les joints à base de ciment avec un produit imperméabilisant (les joints époxy n'ont pas besoin de protection).

Pour les zones de forte concentration en eau et d'humidité (piscines, douches, etc.), l'application d'un produit résistant à l'eau est recommandée.

Pour maintenir les joints en parfait état, il est recommandé d'utiliser un détergent d'entretien spécifique.

COUPE

Chez TOGAMA, nous recommandons le radial avant les pinces car la coupe obtenue est une coupe de meilleure qualité et surtout parce que c'est une coupe mate, qui ne coupe pas.



Disco de diamante para corte de Gres Porcelánico con espesor 1,7 mm.

Diamond disc for cutting of Porcelain Stoneware with thickness 1.7 mm.

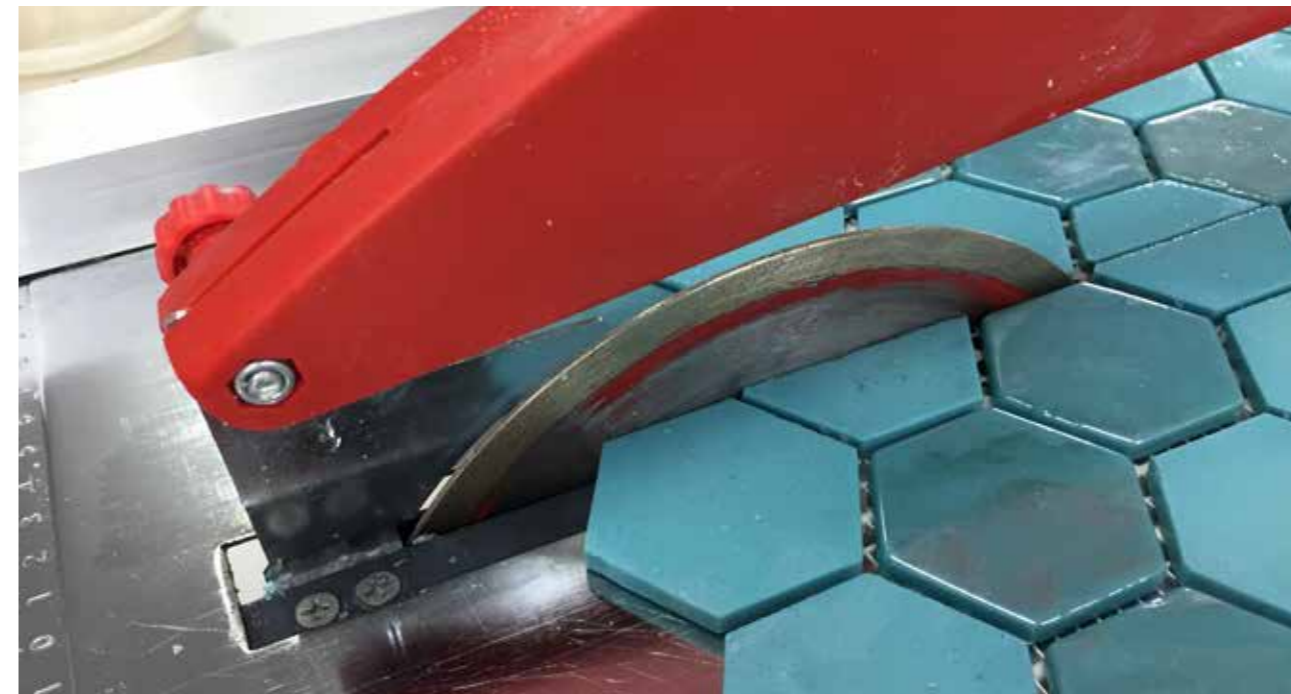
Disque diamant pour la coupe de grès cérame d'une épaisseur de 1,7 mm.



Sierra portátil para discos de corte de 180 mm de diámetro.

Portable saw for 180 mm diameter cutting discs.

Scie portable pour disques de 180 mm de diamètre.



5ILK SERIES SILK

LIMPIEZA MATERIAL ANTIDESLIZANTE

Para la limpieza final del mosaico antideslizante, utilizaremos en el caso de haber utilizado junta epoxi un limpiador del tipo del tipo Fila CR10. Especial atención a la limpieza de juntas coloreadas. En el caso de haber utilizado una junta cementosa, utilizaremos un ácido que no desprenda gases tóxicos y respete las juntas, del tipo Fila DETERDEK.

Es fundamental para la limpieza de este tipo de superficies rugosas la utilización un cepillo de púa para eliminar los residuos incrustados.

CLEANING ANTI-SLIP MATERIAL

For the final cleaning of the anti-slip mosaic, we will use a cleaner of the Fila CR10 type in the case of using an epoxy joint. Special attention to the cleaning of colored joints.

In the case of having used a cementitious joint, we will use an acid that does not give off toxic gases and respects the joints, of the Fila DETERDEK type.

It is essential for the cleaning of this type of rough surfaces the use of a tine brush to eliminate the embedded residues.



NETTOYAGE DE MATÉRIAU ANTIDÉRAPANT

Pour le nettoyage final de la mosaïque antidérapante, nous utiliserons un nettoyant de type Fila CR10 en cas d'utilisation d'un joint époxy. Attention particulière au nettoyage des joints colorés. Dans le cas où vous avez utilisé un joint à base de ciment, nous utiliserons un acide qui ne dégage pas de gaz toxiques et respecte les joints, du type Fila DETERDEK.

Il est essentiel pour le nettoyage de ce type de surfaces rugueuses l'utilisation d'une brosse à dents pour éliminer les résidus incrustés.

TOGAMA
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