

SIBU TRENDS

OVERVIEW 1.4

GB

SIBU
DESIGN



TRENDS SIBU

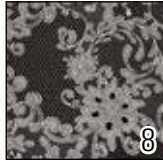
OVERVIEW 1.4

LEATHER-LINE (LL)	06
SIBUGLAS (SG)	16
STRUCTURE-LINE (SL)	24
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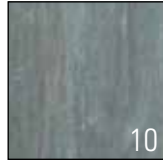
LEATHER-LINE



LL ANTIGUA
Gold



LL LACE
Black/Platin



LL OXY
Steel



LL OXY
Terra



LL QUADRO
Luxury Bronze



LL ROMBO 40
Antigua Gold



LL ROMBO 40
Oxy Terra

SIBUGLAS



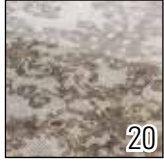
SG FLEUR
Black/Gold AR+



SG LUXURY
Gold AR+



SG LUXURY
Bronze AR+



SG LACE
White/Vintage
Brown AR+



SG LACE
Black/Platin AR+



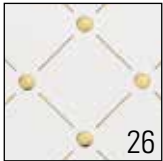
SG ANTIGUA
Gold AR+

STRUCTURE-LINE

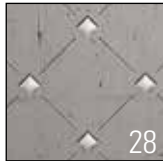


SL LINEA 104x62
Old Platin

PUNCH-LINE 3D



PL 3D H-10-30
Pearl White PF/Gold



PL 3D Q-10-30
Old Platin/Silver

DECO-LINE



DM LUXURY
Bronze



DM LUXURY
Gold

LL ANTIGUA

LL ANTIGUA Gold

2600x1000x1,9 / NA 17828 / SA 17852



LL ANTIGUA Gold

PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS	
Surface material	PU-leather	
Material thickness	1,9 mm	2,03 mm
Temperature stability	up to 60 °C	up to 60 °C
Wet room suitability	●●●○	
Rolled packable	✓	✓

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Sawing	✓	–
Laser cutting	✓	✓
Hot bending	✓	–
PUR/PVA compressible	✓	–
min. bending radius	150 mm	150 mm

EXTRA EQUIPMENT

	NA	SA
Format options (from 20 m²)		
max. length	3000 mm	3000 mm
max. width	1250 mm	1220 mm
Further thicknesses	–	
Cuttings	✓	✓
Magnetic	from 3 sheets	–
PUR/PVA pre-treatment	–	–

ACCESSORIES

SIBUKLE	Spatula A1
Profile groups	1 / 2 / 3 / 5
Profile recommendation	2 / 5

SPECIAL COLORS

–

2600



1000

LL LACE



LL LACE Black/Platin
2600x1000x1,5 / **NA** 17823 / **SA** 17844



PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS	
Surface material	PET	
Material thickness	1,5 mm	1,63 mm
Temperature stability	up to 60 °C	up to 60 °C
Wet room suitability	●●●○	
Rolled packable	✓	✓

EXTRA EQUIPMENT

	NA	SA
Format options (from 20 m²)		
max. length	3000 mm	3000 mm
max. width	1250 mm	1220 mm
Further thicknesses	-	
Cuttings	✓	✓
Magnetic	from 3 sheets	-
PUR/PVA pre-treatment	✓	-

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Sawing	✓	-
Laser cutting	✓	✓
Hot bending	✓	-
PUR/PVA compressible	✓	-
min. bending radius	150 mm	150 mm

ACCESSORIES

SIBUKLE	Spatula A1
Profile groups	1 / 2 / 3 / 5
Profile recommendation	2 / 5

SPECIAL COLORS

LL LACE Black/Gold, LL LACE White/Vintage Brown



2600



1000



LL OXY



LL OXY Steel

2600x1000x1,9 / **NA** 17826 / **SA** 17847



LL OXY Terra

2600x1000x1,9 / **NA** 17827 / **SA** 17848



Photo: GARANTline

PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS	
Surface material	PU-leather	
Material thickness	1,9 mm	2,03 mm
Temperature stability	up to 60 °C	up to 60 °C
Wet room suitability	●●●○	
Rolled packable	✓	✓

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Sawing	✓	–
Laser cutting	✓	✓
Hot bending	✓	–
PUR/PVA compressible	✓	–
min. bending radius	150 mm	150 mm

EXTRA EQUIPMENT

	NA	SA
Format options (from 20 m²)		
max. length	3000 mm	3000 mm
max. width	1250 mm	1220 mm
Further thicknesses	–	
Cuttings	✓	✓
Magnetic	from 3 sheets	–
PUR/PVA pre-treatment	–	–

ACCESSORIES

SIBUKLE	Spatula A1
Profile groups	1 / 2 / 3 / 5
Profile recommendation	2 / 5

SPECIAL COLORS

–

2600



1000

LL QUADRO



LL QUADRO Luxury Bronze
2612x1000x4,8 / **NA** 17831 / **SA** 17851



PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS, PE-foam	
Surface material	PU-leather	
Material thickness	2,8 mm	3,04 mm
Max relief height	4,8 mm	5,04 mm
Temperature stability	up to 60 °C	up to 60 °C
Wet room suitability	●●●○	
Rolled packed*	✓	✓

EXTRA EQUIPMENT

	NA	SA
Format options	–	
Further thicknesses	–	
Cuttings	✓	✓
Magnetic	–	–
PUR/PVA-Processing	–	–

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Laser cutting	✓	✓
Hot bending	–	–
PUR/PVA compressible	–	–
min. bending radius	300 mm	300 mm

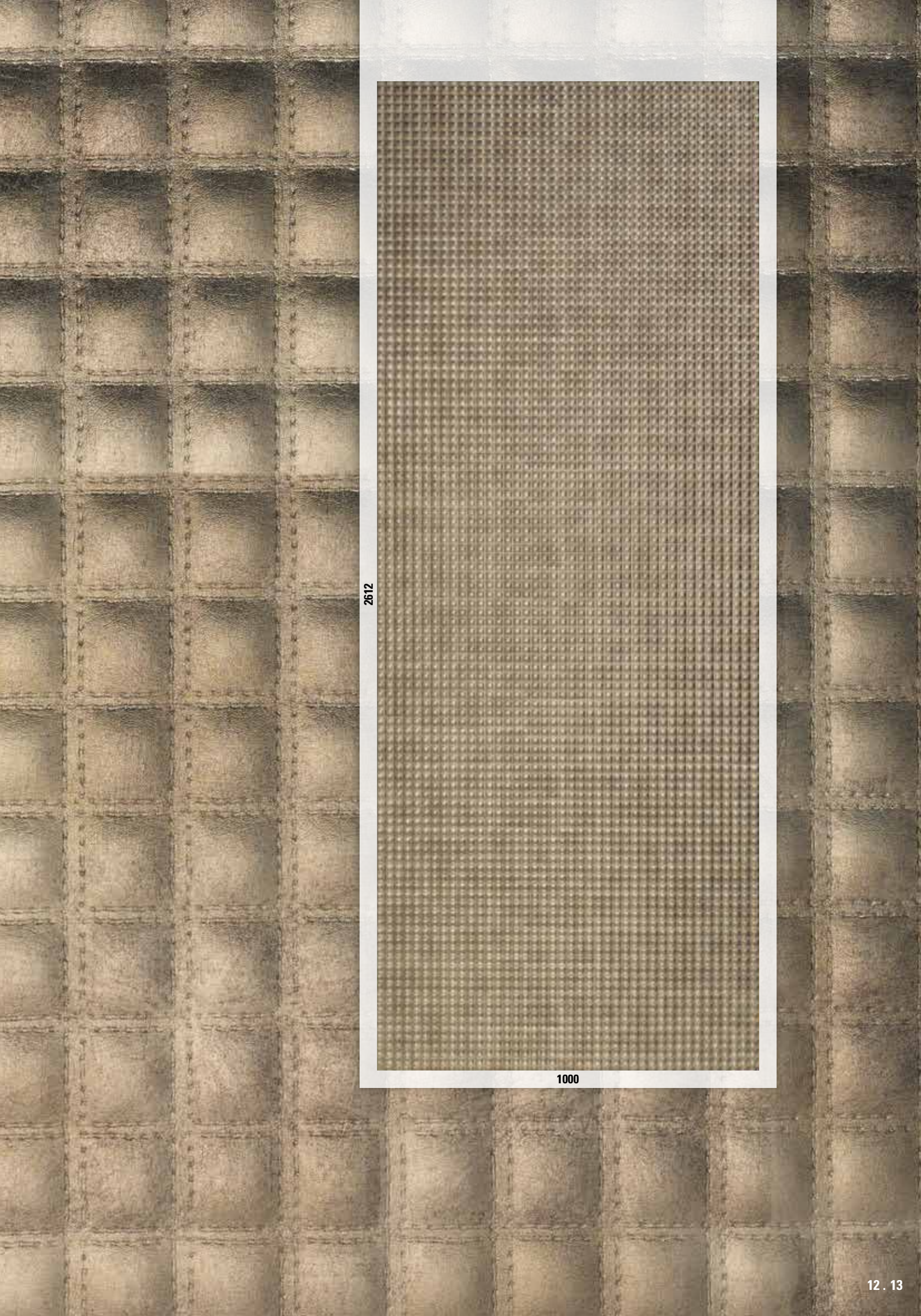
ACCESSORIES

SIBUKLE	Spatula A2
Profile groups	4 / 5

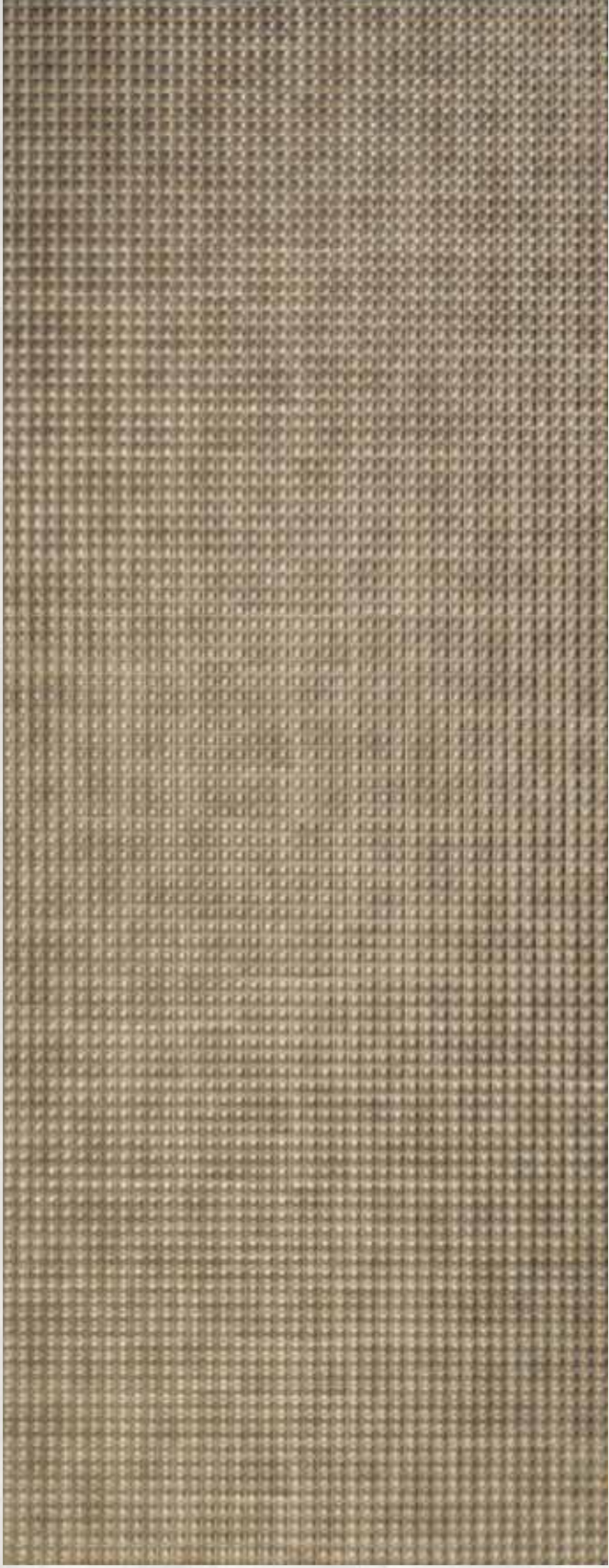
SPECIAL COLORS

possible

* Design sheets to be rolled with the decor side outwardly (both – NA and SA version).
We recommend rolling not more than 3 sheets per carton (480x480 mm).



2612



1000

LL ROMBO 40



LL ROMBO 40 Antigua Gold
2612x1000x5 / **NA** 17829 / **SA** 17849



LL ROMBO 40 Oxy Terra
2612x1000x5 / **NA** 17830 / **SA** 17850



PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS, PE-foam	
Surface material	PU-leather	
Material thickness	3,8 mm	4,04 mm
Max. relief height	5 mm	5,24 mm
Temperature stability	up to 60 °C	up to 60 °C
Wet room suitability	●●●○	
Rolled packable*	✓	✓

EXTRA EQUIPMENT

	NA	SA
Format options	–	
Further thicknesses	–	
Cuttings	✓	✓
Magnetic	–	–
PUR/PVA pre-treatment	–	–

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Laser cutting	✓	✓
Hot bending	–	–
PUR/PVA compressible	–	–
min. bending radius	300 mm	300 mm

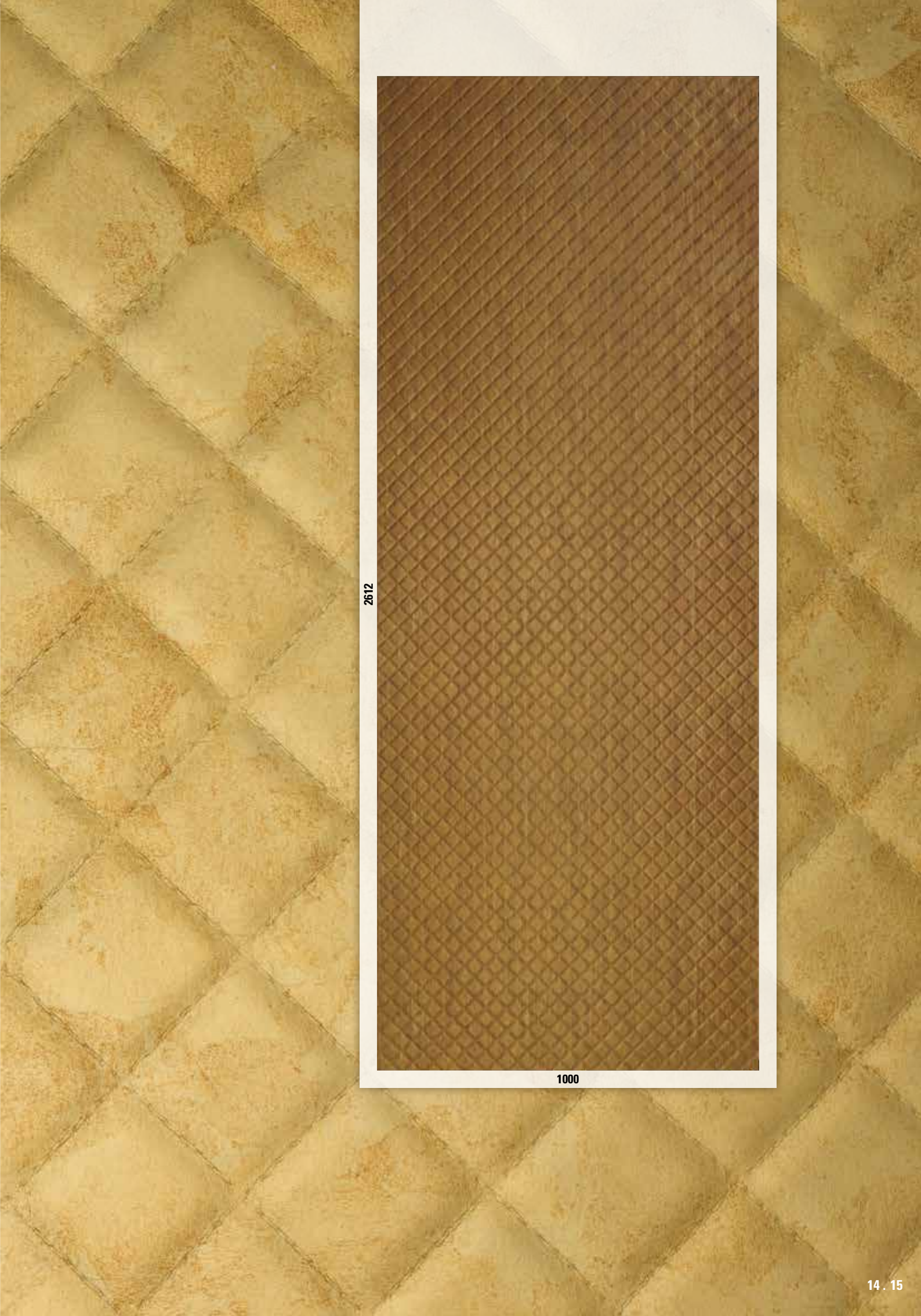
ACCESSORIES

SIBUKLE	Spatula A2
Profile groups	4 / 5

SPECIAL COLORS

possible

* Design sheets to be rolled with the decor side outwardly (both – NA and SA version).
We recommend rolling not more than 3 sheets per carton (480x480 mm).



2612



1000

SG FLEUR

P



SG FLEUR Black/Gold AR+

PRODUCT CHARACTERISTICS

	NA	SA
Surface material	PMMA	
Back side material	PET	
Material thickness	1,8 mm	1,93 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●○○○	
Abrasion resistance after polishing	●●●●○	
Rolled packable (up to 40°C)***	✓	

AR+

	NA	SA
Surface material	PMMA	
Back side material	PET	
Material thickness	2,7 mm	2,83 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●●●●●●	
Abrasion resistance after polishing	-	
Rolled packable (up to 40°C)***	-	

EXTRA EQUIPMENT

	NA	SA
Format options	-	
Further thicknesses	on request	
Cuttings	✓	
Magnetic**	from 3 sheets	-
PUR/PVA pre-treatment	-	

AR+

	NA	SA
Format options	-	
Further thicknesses	-	
Cuttings	✓	
Magnetic**	from 3 sheets	-
PUR/PVA pre-treatment	-	

PROCESSING

	NA	SA
Cutting, punching	-	-
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	✓	-
PUR/PVA compressible	✓	-
Min. bending radius	240 mm	240 mm

AR+

	NA	SA
Cutting, punching	-	-
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	-	-
PUR/PVA compressible	✓	-
Min. bending radius	1000 mm	1000 mm

ACCESSORIES

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	2 / 3 / 5	
Profile recommendation	2 / 5	

AR+

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	3 / 5	
Profile recommendation	3 / 5	

SPECIAL COLORS (from 40 sheets)

possible

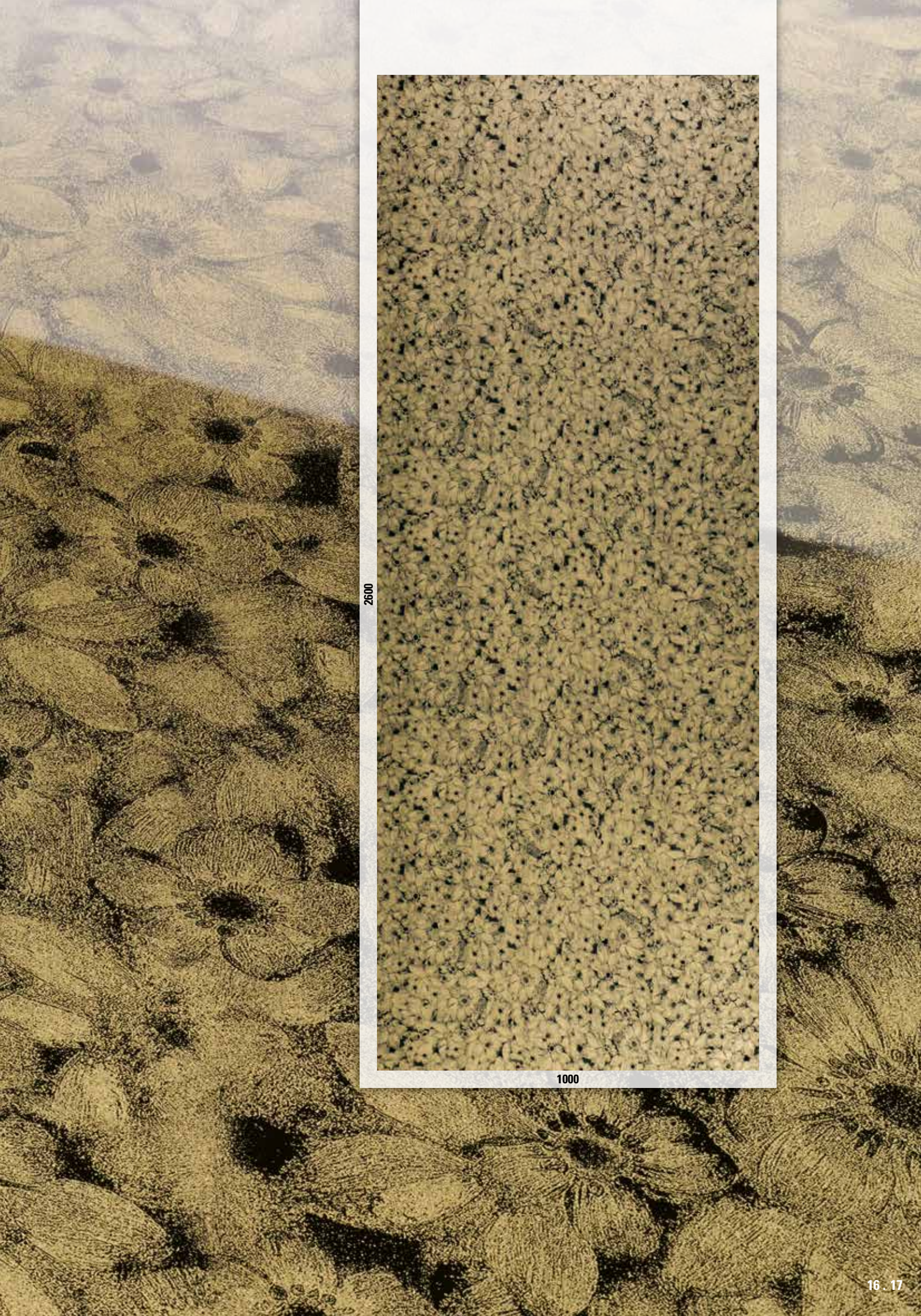
* In order to achieve a wet area suitability with Sibuglas AR+ NA it is necessary using SIBU Silikon 1.4A for bonding and for sealing the edges.

** Ground must be real metal or a SIBU metal foil SA (ref. 17637, self adhesive).

*** Design sheets to be rolled with the decor side outwardly (both – NA and SA version). We recommend rolling not more than 3 sheets per carton (480x480 mm).

AR+ Sibuglas AR+ products have an excellent abrasion resistance

NA non-adhesive **SA** strongly adhesive **P** Unpolished standard SG products are easily printable



2600

1000

SG LUXURY



P

SG LUXURY Gold

2600x1000x2,2 / **NA** 17944 / **SA** 17951

SG LUXURY Gold AR+

2600x1000x3,1 / **NA** 17819 / **SA** 17840



P

SG LUXURY Bronze

2600x1000x2,2 / **NA** 17945 / **SA** 17952

SG LUXURY Bronze AR+

2600x1000x3,1 / **NA** 17820 / **SA** 17841



SG LUXURY Gold AR+

PRODUCT CHARACTERISTICS

	NA	SA
Surface material	PMMA	
Back side material	PU-leather	
Material thickness	2,2 mm	2,33 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●○○○	●●●●●●●●
Abrasion resistance after polishing	●●●●●○	—
Rolled packable (up to 40°C)***	✓	

AR+

	NA	SA
Surface material	PMMA	
Back side material	PU-leather	
Material thickness	3,1 mm	3,23 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●●●●●●	—
Abrasion resistance after polishing	—	—
Rolled packable (up to 40°C)***	—	

PROCESSING

	NA	SA
Cutting, punching	—	—
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	✓	—
PUR/PVA compressible	✓	—
Min. bending radius	240 mm	240 mm

AR+

	NA	SA
Cutting, punching	—	—
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	—	—
PUR/PVA compressible	✓	—
Min. bending radius	1000 mm	1000 mm

EXTRA EQUIPMENT

	NA	SA
Format options	—	
Further thicknesses	on request	
Cuttings	✓	
Magnetic**	from 3 sheets	—
PUR/PVA pre-treatment	—	

AR+

	NA	SA
Format options	—	
Further thicknesses	—	
Cuttings	✓	
Magnetic**	from 3 sheets	—
PUR/PVA pre-treatment	—	

ACCESSORIES

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	2 / 3 / 5	
Profile recommendation	2 / 5	

AR+

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	3 / 5	
Profile recommendation	3 / 5	

SPECIAL COLORS (from 40 sheets)

possible

* In order to achieve a wet area suitability with SibuGlas AR+ NA it is necessary using SIBU Silikon 1.4A for bonding and for sealing the edges.

** Ground must be real metal or a SIBU metal foil SA (ref. 17637, self adhesive).

*** Design sheets to be rolled with the decor side outwardly (both – NA and SA version). We recommend rolling not more than 3 sheets per carton (480x480 mm).

AR+ SibuGlas AR+ products have an excellent abrasion resistance

NA non-adhesive **SA** strongly adhesive **P** Unpolished standard SG products are easily printable

2600



1000

SG LACE



P

SG LACE White/Vintage Brown
2600x1000x1,5 / **NA** 17943 / **SA** 17950

SG LACE White/Vintage Brown AR+
2600x1000x2,4 / **NA** 17818 / **SA** 17839



P

SG LACE Black/Platin
2600x1000x1,5 / **NA** 17942 / **SA** 17949

SG LACE Black/Platin AR+
2600x1000x2,4 / **NA** 17817 / **SA** 17838



SG LACE Black/Platin AR+ -----●

Photo: GARANTline

PRODUCT CHARACTERISTICS

	NA	SA
Surface material	PMMA	
Back side material	PET	
Material thickness	1,8 mm	1,93 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●○○○	
Abrasion resistance after polishing	●●●●○	
Rolled packable (up to 40 °C)**	✓	

AR+

	NA	SA
Surface material	PMMA	
Back side material	PET	
Material thickness	2,7 mm	2,83 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●●●●●●	
Abrasion resistance after polishing	-	
Rolled packable (up to 40 °C)**	-	

PROCESSING

	NA	SA
Cutting, punching	-	-
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	✓	-
PUR/PVA compressible	✓	-
Min. bending radius	240 mm	240 mm

AR+

	NA	SA
Cutting, punching	-	-
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	-	-
PUR/PVA compressible	✓	-
Min. bending radius	1000 mm	1000 mm

EXTRA EQUIPMENT

	NA	SA
Format options	-	
Further thicknesses	on request	
Cuttings	✓	
Magnetic**	from 3 sheets	-
PUR/PVA pre-treatment	-	

AR+

	NA	SA
Format options	-	
Further thicknesses	-	
Cuttings	✓	
Magnetic**	from 3 sheets	-
PUR/PVA pre-treatment	-	

ACCESSORIES

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	2 / 3 / 5	
Profile recommendation	2 / 5	

AR+

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	3 / 5	
Profile recommendation	3 / 5	

SPECIAL COLORS (from 40 sheets)

possible

* In order to achieve a wet area suitability with SibUGlas AR+ NA it is necessary using SIBU Silikon 1.4A for bonding and for sealing the edges.

** Ground must be real metal or a SIBU metal foil SA (ref. 17637, self adhesive).

*** Design sheets to be rolled with the decor side outwardly (both - NA and SA version). We recommend rolling not more than 3 sheets per carton (480x480 mm).

AR+ SibUGlas AR+ products have an excellent abrasion resistance

NA non-adhesive **SA** strongly adhesive **P** Unpolished standard SG products are easily printable



2600



1000



SG ANTIGUA

P

SG ANTIGUA Gold

2600x1000x2,2 / NA 17947 / SA 17954

SG ANTIGUA Gold AR+

2600x1000x3,1 / NA 17822 / SA 17843



SG ANTIGUA Gold AR+

PRODUCT CHARACTERISTICS

	NA	SA
Surface material	PMMA	
Back side material	PU-leather	
Material thickness	2,2 mm	2,33 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●○○○	
Abrasion resistance after polishing	●●●●○	
Rolled packable (up to 40°C)***	✓	

AR+

	NA	SA
Surface material	PMMA	
Back side material	PU-leather	
Material thickness	3,1 mm	3,23 mm
Temperature stability	up to 60° C	up to 60° C
Wet room suitability*	●●●●	
Customary abrasion resistance	●●●●●●●●	
Abrasion resistance after polishing	-	
Rolled packable (up to 40°C)***	-	

EXTRA EQUIPMENT

	NA	SA
Format options	-	
Further thicknesses	on request	
Cuttings	✓	
Magnetic**	from 3 sheets	-
PUR/PVA pre-treatment	-	

AR+

	NA	SA
Format options	-	
Further thicknesses	-	
Cuttings	✓	
Magnetic**	from 3 sheets	-
PUR/PVA pre-treatment	-	

PROCESSING

	NA	SA
Cutting, punching	-	-
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	✓	-
PUR/PVA compressible	✓	-
Min. bending radius	240 mm	240 mm

AR+

	NA	SA
Cutting, punching	-	-
Drilling	✓	✓
Sawing (supported by a panel)	✓	✓
Laser cutting	✓	✓
Hot bending	-	-
PUR/PVA compressible	✓	-
Min. bending radius	1000 mm	1000 mm

ACCESSORIES

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	2 / 3 / 5	
Profile recommendation	2 / 5	

AR+

	NA	SA
SIBUKLE	Spatula A2	
Profile groups	3 / 5	
Profile recommendation	3 / 5	

SPECIAL COLORS

-

* In order to achieve a wet area suitability with SibUGlas AR+ NA it is necessary using SIBU Silikon 1.4A for bonding and for sealing the edges.

** Ground must be real metal or a SIBU metal foil SA (ref. 17637, self adhesive).

*** Design sheets to be rolled with the decor side outwardly (both - NA and SA version). We recommend rolling not more than 3 sheets per carton (480x480 mm).

AR+ SibUGlas AR+ products have an excellent abrasion resistance

NA non-adhesive SA strongly adhesive P Unpolished standard SG products are easily printable

2600



1000

SL LINEA



P

SL LINEA 104x62 Old Platin
2600x1000x1,5 / **NA** 17835 / **SA** 17853



PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS	
Surface material	Print	
Material thickness	1,5 mm	1,63 mm
Temperature stability	up to 60 °C	
Wet room suitability	●●●○	
Abrasion resistance	●●●●●○	
Rolled packable	✓	✓

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Sawing, milling	✓	–
Laser cutting	✓	✓
Hot bending	✓	–
PUR/PVA compressible	✓	–
min. bending radius	200 mm	200 mm

EXTRA EQUIPMENT

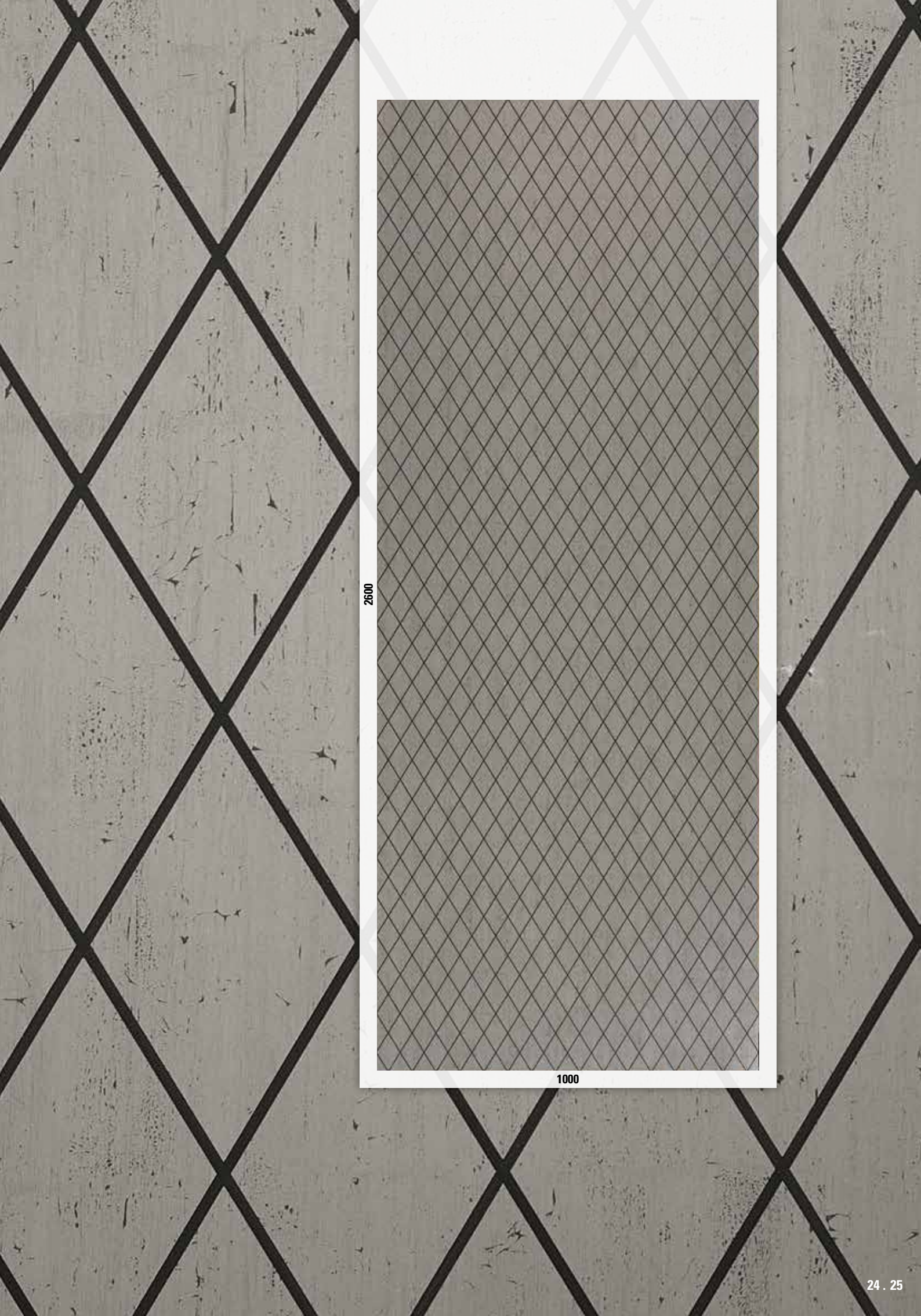
	NA	SA
Format options	–	
Further thicknesses	2 & 3 mm	
Cuttings	✓	✓
Magnetic	from 3 sheets	–
PUR/PVA pre-treatment	✓	–

ACCESSORIES

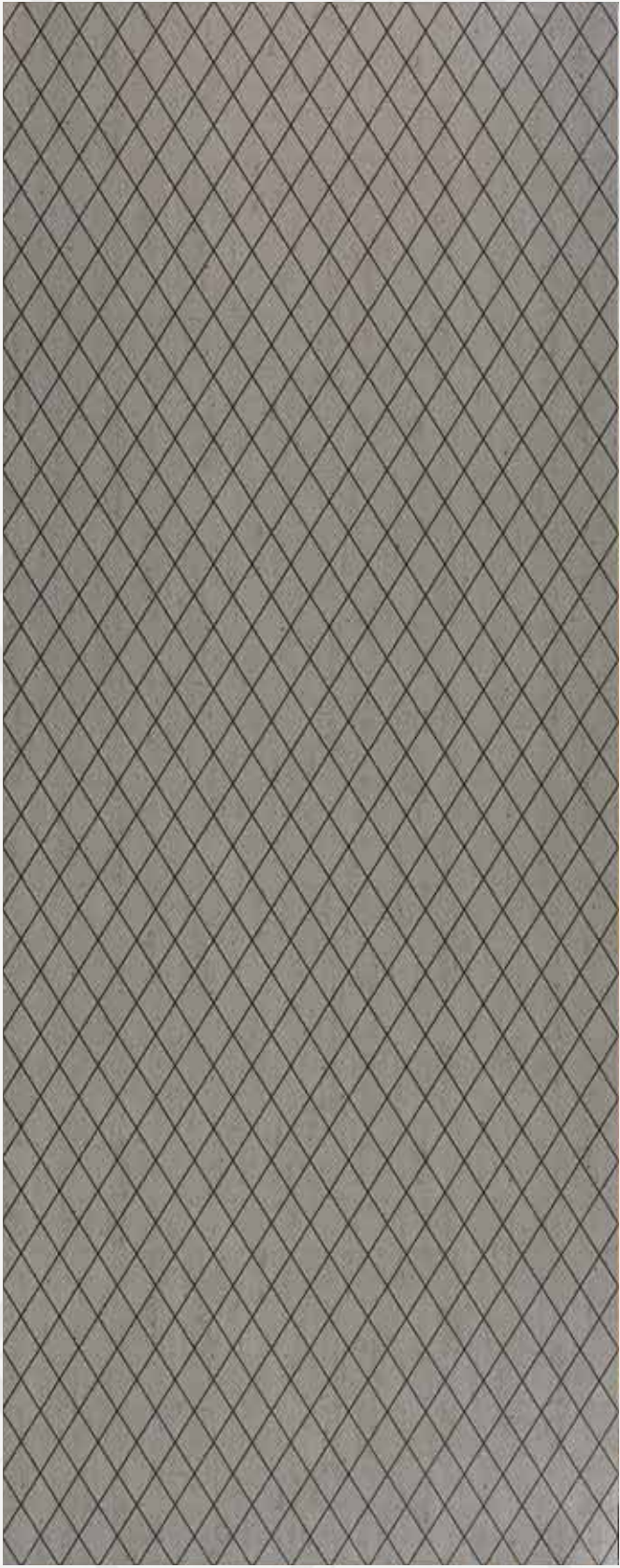
SIBUKLE	Spatula A2
Profile groups	1 / 2 / 3 / 5

SPECIAL COLORS

possible



2600



1000

PL 3D H-10-30



P

PL 3D H-10-30 Pearl White PF/Gold
2600x1000x1,3 / **NA** 17832 / **SA** 17856



PL 3D H-10-30 Pearl White PF/Gold

PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS	
Surface material	Print	
Material thickness	1,3 mm	1,43 mm
Temperature stability	up to 50 °C	up to 50 °C
Wet room suitability	●●●○	
Abrasion resistance	●●●●●●	
Rolled packable (up to 40 °C)	✓	✓

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Sawing, milling	✓	–
Laser cutting	✓	✓
Hot bending	✓	–
PUR/PVA compressible	–	–
min. bending radius (up to 40 °C)	300 mm	300 mm

EXTRA EQUIPMENT

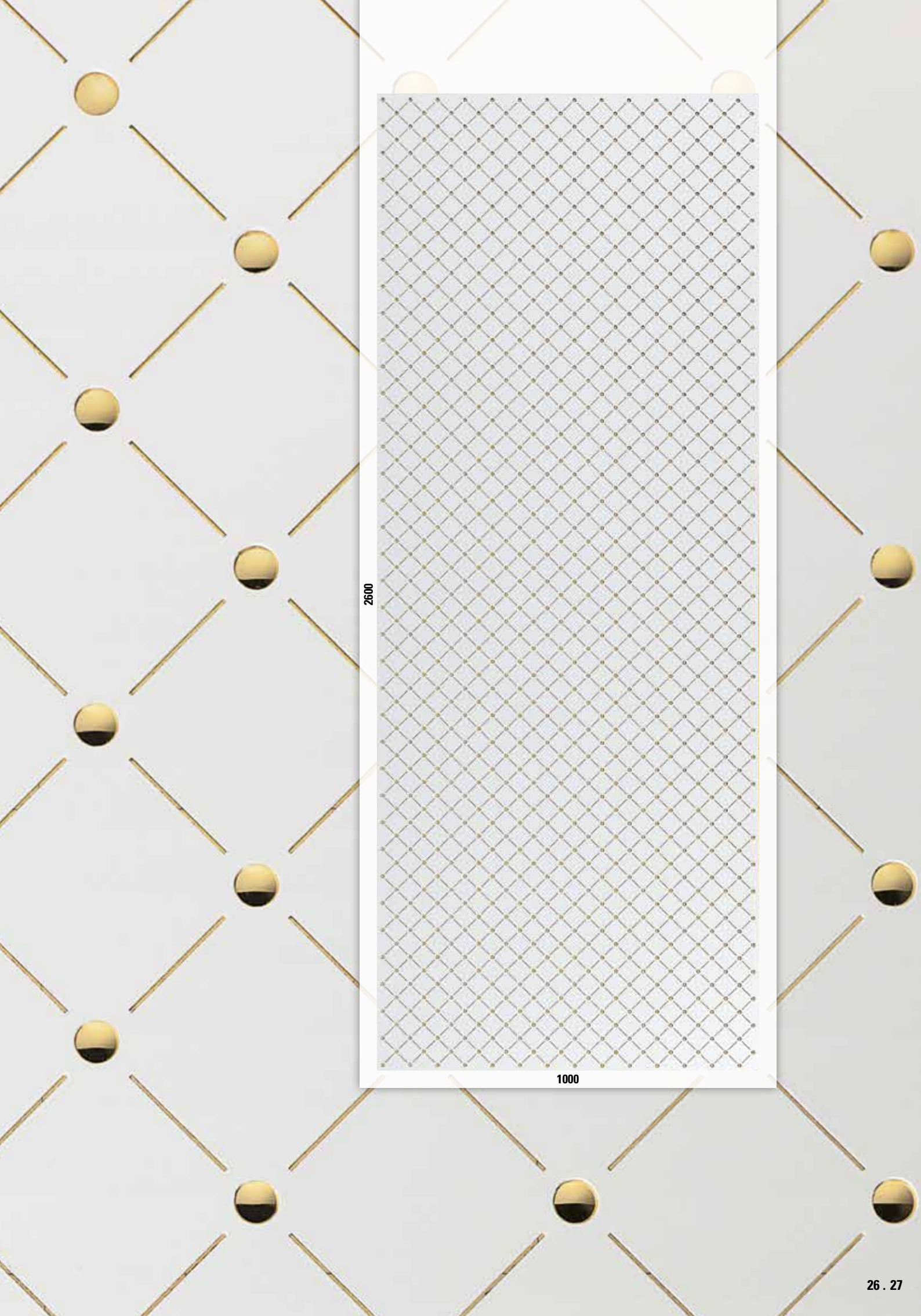
	NA	SA
Format options	–	
Further thicknesses	–	
Cuttings	✓	✓
Magnetic	from 3 sheets	–
PUR/PVA pre-treatment	–	–

ACCESSORIES

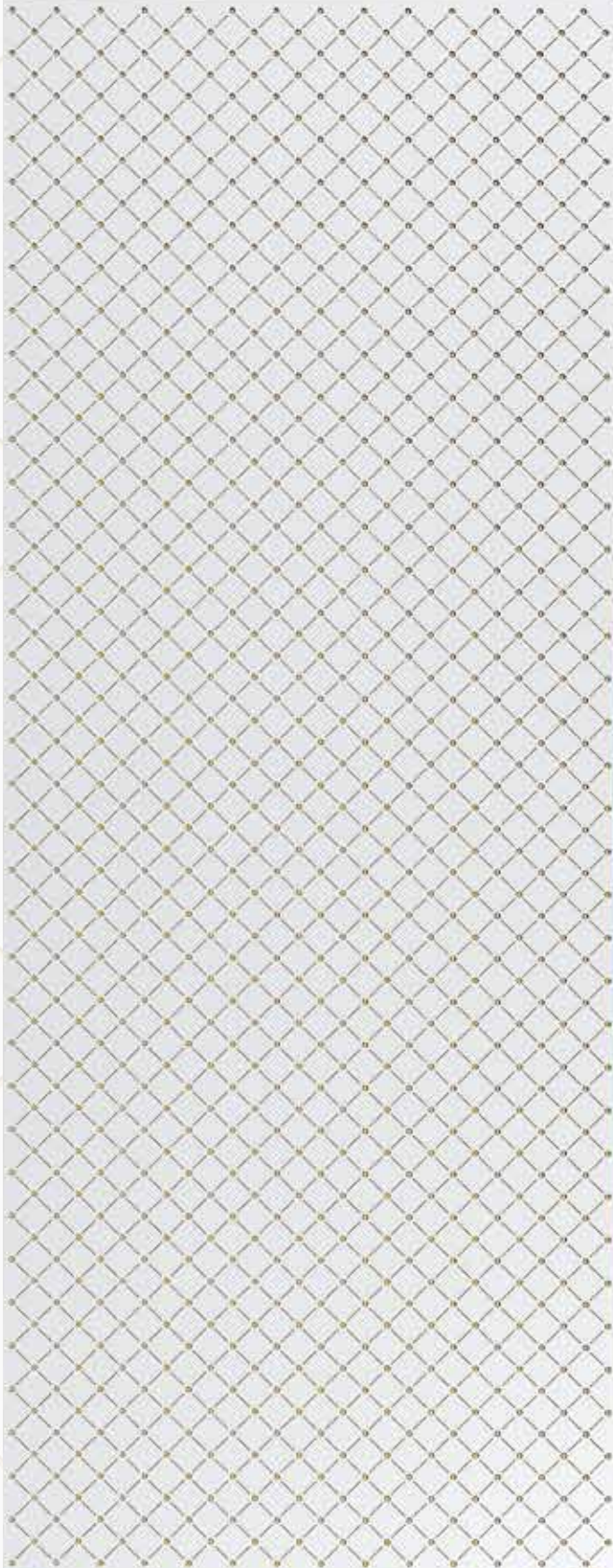
SIBUKLE	–
Profile groups	1/2/3/5

SPECIAL COLORS

possible



2600



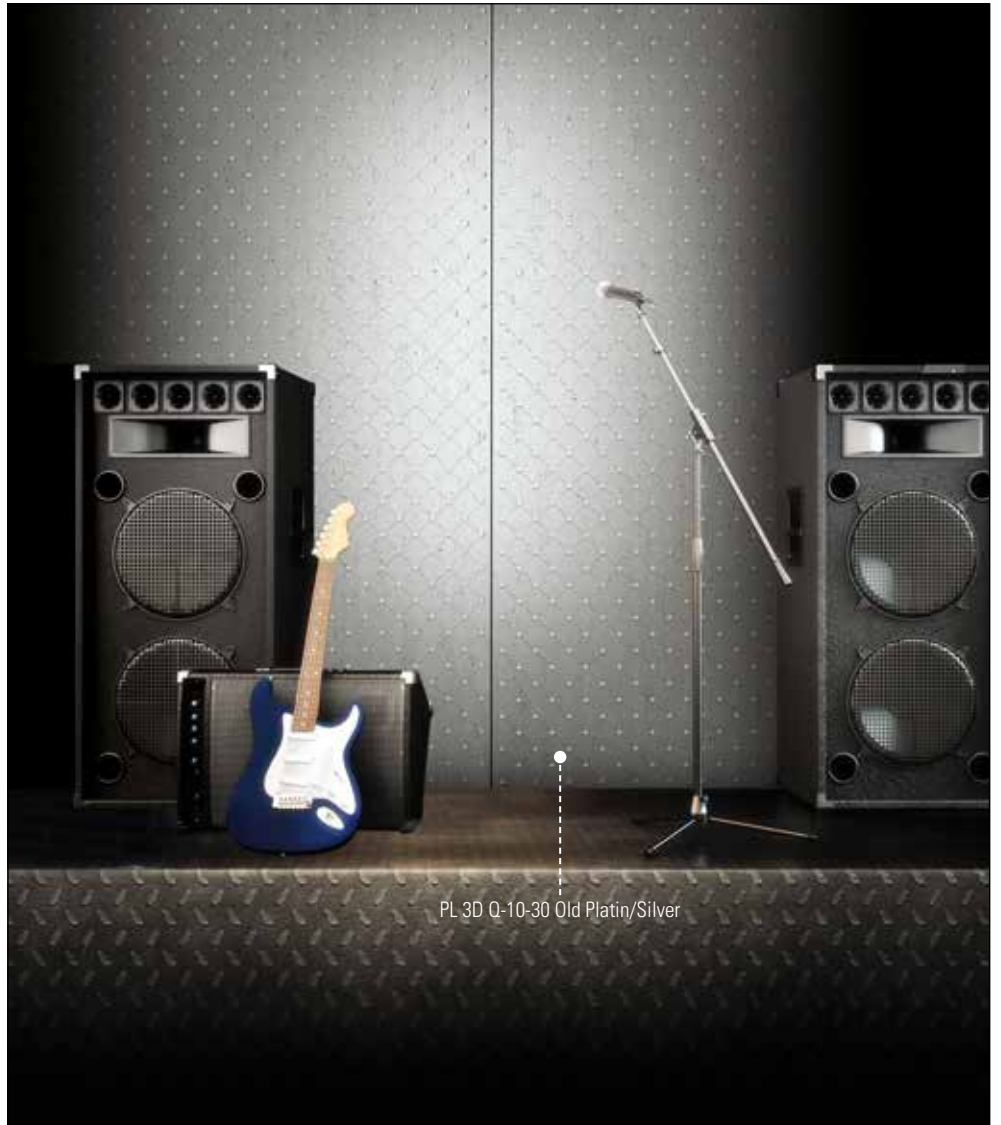
1000

PL 3D Q-10-30



P

PL 3D Q-10-30 Old Platin/Silver
2600x1000x1,3 / **NA** 17833 / **SA** 17857



PL 3D Q-10-30 Old Platin/Silver

PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS	
Surface material	Print	
Material thickness	1,3 mm	1,43 mm
Temperature stability	up to 50 °C	up to 50 °C
Wet room suitability	●●●○	●●●○
Abrasion resistance	●●●●●○	●●●●●○
Rolled packable (up to 40 °C)	✓	✓

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Sawing, milling	✓	–
Laser cutting	✓	✓
Hot bending	✓	–
PUR/PVA compressible	–	–
min. bending radius (up to 40 °C)	300 mm	300 mm

EXTRA EQUIPMENT

	NA	SA
Format options	–	
Further thicknesses	–	
Cuttings	✓	✓
Magnetic	from 3 sheets	–
PUR/PVA pre-treatment	–	–

ACCESSORIES

SIBUKLE	–
Profile groups	1/2/3/5

SPECIAL COLORS

possible



2600



1000

DM LUXURY



DM LUXURY Bronze
2600x1000x1 / **NA** 17825 / **SA** 17846



DM LUXURY Gold
2600x1000x1 / **NA** 17824 / **SA** 17845



PRODUCT CHARACTERISTICS

	NA	SA
Base material	HIPS	
Surface material	Print	
Material thickness	1,0 mm	1,13 mm
Temperature stability	up to 60 °C	up to 60 °C
Wet room suitability	●●●○	●●●○
Abrasion resistance	●●●●●○	●●●●●○
Rolled packable	✓	✓

PROCESSING

	NA	SA
Cutting, punching	✓	✓
Drilling	✓	✓
Sawing	✓	–
Laser cutting	✓	✓
Hot bending	✓	–
PUR/PVA compressible	✓	–
min. bending radius	150 mm	150 mm

EXTRA EQUIPMENT

	NA	SA
Format options (from 100 m²)		
max. length	3000 mm	3000 mm
max. width	1250 mm	1220 mm
Further thicknesses	✓	
Cuttings	✓	✓
Magnetic	from 3 sheets	–
PUR/PVA pre-treatment	✓	–

ACCESSORIES

SIBUKLE	Spatula A1
Profile groups	1 / 2 / 3 / 5
Profile recommendation	2 / 5

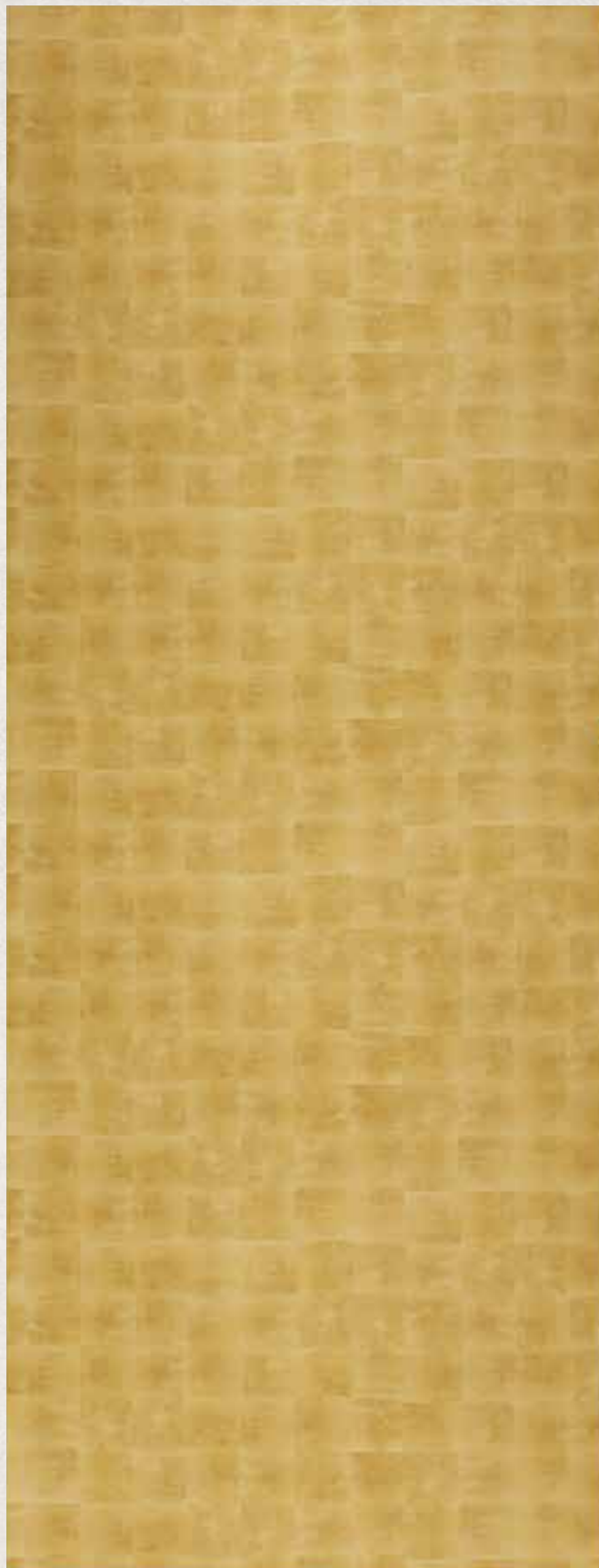
SPECIAL COLORS

–

NA non-adhesive **SA** strongly adhesive A flame-retardant version of this item is also available.

easily digital printable

2600



1000

PRODUCT CHARACTERISTICS

To answer your questions as quickly as possible, our team has worked out a technical table with product characteristics, extra equipment and much more for each of our products:

BASE MATERIAL

As a base material we use a specially developed, highly impact resistant polystyrene type (HIPS).

HIPS distinguish particularly by robustness, high impact and a very low weight. For the cutting on site a standard wallpaper knife is effectual.

For our ACRYLIC-LINE we use as a base material ABS with acrylic surface. With PUNCH-LINE 3D products we use HIPS with background foil from A-PET.

SURFACE MATERIAL

In a changeable world we focus on lastingness and high standards by using 100% PVC-free surfaces. We make a distinction between:

- Polyurethane synthetic leather surfaces (PU)
- Polyester imitation fur surfaces (PET)
- Metallized surfaces (PET)
- Special coloration (PET-varnish)
- Printed surfaces (Print)
- Acrylic surfaces (PMMA)

All variations are optically outstanding and also fascinate by their unique haptics. They correspond to the highest demands and they are suited especially for the interior area.

MATERIAL THICKNESS

The given material thicknesses refer to the stock program in non adhesive (NA) and self adhesive (SA) version.

SA-SELF ADHESIVE

SA means that the design sheet is equipped with adhesive at the back. For this we use high-quality acrylic adhesive substance or synthesis rubber (PUNCH-LINE 3D, MultiStyle). Self adhesive design sheets (SA) can be stuck on absorbent as well as non absorbent grounds.

Our base material polystyrene is a thermoplastic material, therefore a slight expansion of the design sheet is to be considered (see processing instructions).

MAX. RELIEF HEIGHT

With the given data we define the highest position of the respective design in non-adhesive (NA) and adhesive (SA) version.

TEMPERATURE STABILITY

We supply to more than 70 countries in the world and have nearly everywhere special climate situation. Therefore we test our material under the hardest conditions. Already during development stage our SIBU design sheets are tested in special thermo-containers stuck on ground as well as unstuck with high temperatures and high air humidity. Only the very best qualities correspond to our strict directives. The given data of the temperature stability refer to the lasting application of the product stuck on different grounds and to the long-term using temperature also without adhesion.

WET ROOM SUITABILITY

An exposure of SIBU design sheets to humid areas is given when a design sheet is subjected to short term humidity condition. This humidity condition can occur by reason of high air humidity or by direct sprinkling water. SIBU design sheets are not suited for the direct wet space area as well as for long-term wet influence.

- Wet room suitability
- Wet room suitability, but material reacts more sensitively to sprinkling water → removing of moisture is recommended.

ABRASION RESISTANCE

Products with marked abrasion resistance show an extremely scratch resistant surface. Our technology team already tests the products during development process to be able to offer the matching product for each of your demands.

- excellent abrasion resistance
- very good abrasion resistance
- good abrasion resistance
- normal abrasion resistance
- low abrasion resistance

PRINTING

The surfaces of SIBU design sheets are printable by means of screen or digital printing which give them a very special and individual appearance. All products marked with (P) are easily printable. We offer original samples for tests. Info sheets on demand.

ROLLED PACKABLE

Basically our design sheets are packed flat on pallets. However, in order to dispatch small consignments as favourably as possible, we have developed a packaging carton in which many of our design sheets can be packed rolled as well. Design sheets in non adhesive (NA) version are rolled with the decor side outwardly and design sheets in self adhesive version (SA) are rolled with the glue side outwardly. We recommend rolling maximum 3 pieces from product group LEATHER-LINE per carton (480x480 mm) and for all other decors maximum 6 pieces per carton (480x480 mm). CR CRISTAL, LL ROMBO, LL QUADRO: Design sheets to be rolled with the decor side outwardly (both – NA and SA version). We recommend rolling not more than 3 sheets per carton (480x480 mm).

After receipt, rolled goods should be laid out flat for around 24 hours at room temperature and if necessary, subjected to additional weight.

EXTRA EQUIPMENT

We are aware of the fact that not always you can use our standard stock articles for your intended application and offer for you special extra equipment.

FIRE CLASSIFICATION

The products from the stock program correspond to the fire safety regulations according to DIN 4102 B2, excluded products ACRYLIC-LINE (standard UL 94). Marked products  are available in flame retardant version on request, on a different carrier material. Certificate of the following norm is given: EN 13501-1. Info sheets on demand!

FORMAT OPTIONS

In addition to the standard sizes given in the OVERVIEW we offer with pleasure individually adapted product dimensions.

FURTHER THICKNESSES

Responding to your request we produce our DECO-LINE and PUNCH-LINE in thicknesses between 0.8 and 4.0 mm.

CUTTINGS

You want to get customized sheets or cuttings? Please contact us that we can offer the best possible solution to you. With a cutting length up to 3.2 meter and a punching and sawing length up to 3 meter we are able to meet your requirements and needs promptly.

MAGNETIC

All SIBU design sheets are available with a magnetic back from 3 pieces onwards. Exception - all LL ROMBO, LL QUADRO and CR CRISTAL ROMBO.

SIBU magnetic foils are suitable on different metallic grounds and on magnetic colours. The exchange of design sheets thereby becomes a child's play! The application fields for the new SIBU DESIGN magnetic program are nearly unlimited – for shop-window decoration, shop fitting and fair design or in the furniture area, decoration field and for all kinds of displays.

Our SIBU decoration mirror DM Silver in magnetic version is available from stock in two sheet sizes 2600x1000x1.5 and 2000x1000x1.5:

- DM Silver Magnetic 2600x1000x1,5 (Art.No. 15903)
- DM Silver Magnetic 2000x1000x1,5 (Art.No. 15904)

Temperature stability: up to 50°C

Cutting: The cut has to be carried out always from the decor side.

Fire rating class B2 (DIN 4102).

PUR/PVA PRE-TREATMENT

In order to be suited to PUR/ PVA bonding, SIBU design sheets have to be pre-treated according to material thickness on the reverse side either by an additional production process or customer-sided grinding (using sandpaper - granulation 80).

Being able to carry out this pre-treatment for you in our factory, we absolutely need this information together with your order.

PROCESSING

Please note that SIBU design sheets always have to be processed from the decor side.

SURFACE PROTECTION

A protective film protects our surfaces against damages. This protective film should be removed only after the application of our design sheets.

CUTTING

SIBU DECO-LINE sheets with less than 2 mm thickness can be easily cut with a wallpaper knife. Simply notch the surface and break along the edge. For all other product lines and for DECO-LINE sheets up to 3 mm thickness the cutting pressure has to be increased. After cutting and breaking our self adhesive (SA) design sheets as well as 3D PUNCH-LINE designs (NA + SA) the foil on the back side has to be cut separately. Always use well sharp knives.

PUNCHING

Band steel cutting is recommended for design sheets in thickness from 1 up to 1.5 mm.

DRILLING

All SIBU design sheets can be drilled from the decor side.

SAWING

For material up to 1 mm thickness: HW 280x3.2 / 2.2x30 Z60 / 12.46-18.08 WZ

For more than 1 mm thickness: HW 250x3.2 / 2.2x30 Z40 / 19.63 WZ

HW 250x3.2 / 2.2x30 Z40 / 19.63 FZ/TZ

Rotation speed 6000 rpm – progressive feed up to 25 m/min

For LEATHER-LINE: HW 255x2.8 / 2.0x30 Z80 / 10.01 FZ WZ

Rotation speed 6000 rpm – progressive feed up to 10 m/min

With LEATHER-LINE the best result is achieved with MDF increment (4 mm) below and on top, low progressive feed and high rotation speed.

MILLING

For material up to 2 mm thickness: cutter with 3 mm diameter, rotation speed from 12000 up to 24000 rpm, progressive feed up to 20 m/min.

Decor side on top: single-edged cutter - left turn

Decor side below: double-edged cutter - right turn

For material with more than 2 mm thickness reduce progressive feed and use a cutter with bigger diameter (6 mm).

LASER CUTTING

All SIBU design sheets can be processed with standard lasers.

The cutting speed conforms to the watt power of the laser.

MIN. BENDING RADIUS

The given data refer to the minimum bending radius for concave or convex fixing. For all design sheets – with the exception of MultiStyle – all sheet edges must be fixed mechanically in any case! For MultiStyle there is no need for mechanical fixing!

PROCESSING

HOT BENDING

Heat up the SIBU design sheets from the backside – for both, internal and exterior angles.

Approximate parameters for material in 1 mm thickness: Wire temperature: approx. 200°C Heating time: approx. 6 seconds

For ACRYLIC-LINE, PUNCH-LINE, DECO-LINE and STRUCTURE-LINE design sheets hot bending is outwardly (decor outside) possible – hot bending inwards (decor inside) is possible only with plain designs or with fine structures.
For deeper structures - no exact internal angle.

Hot bending with LEATHER LINE design sheets is possible outwardly (decor outside), inwards (decor side inside) only with plain LEATHER-LINE. Using structured leather designs it can happen that wrinkles may appear along the internal angles.

THERMOFORMING

For products with PET or PET/varnish surfaces a light tension of the surface by thermoforming is possible by using smooth and not sharp-edged tools (avoid sharp contours, use a bigger radius!).

All the other versions like PU-leather surfaces and printed surfaces are usually suited for thermoforming. For any new moulding tools self tests are recommended. The tool has to be adapted to the material.

Heating parameter: Approximate temperature: 160 - 210°C by using upper heating and under heating. Processing period: between 20 to 40 seconds.

Original samples are available for tests.

PUR/PVA-PRESSING

PUR/PVA-BONDING

Non adhesive design sheets from our DECO-LINE, LEATHER-LINE, STRUCTURE-LINE and ACRYLIC-LINE series (with a few exceptions) are compressible with commercial PVA adhesives. The ground must be absorbent (MDF, chipboard, etc.)

As a result of this type of processing, standard edges of plastic, aluminium or wood can be used! The PVA adhesive prevents the usual expansion of our design sheets due to the effect of increased temperature!

In order to be suited to PUR/ PVA bonding, SIBU design sheets have to be pre-treated according to material thickness on the reverse side either by an additional production process or customer-sided grinding (using sandpaper - granulation 80).

PUR/PVA-PRESSING

When pressing structured design sheets (STRUCTURE-LINE, ACRYLIC LINE and LEATHER-LINE), a medium-hard sponge rubber mat with a thickness of approx. 5 mm should be used between the pressing sheet and the patterned side of the design sheet. This provides uniform pressure distribution and prevents undesirable crushing spots caused inadvertently by particles of dirt between the pressing sheet and the design sheet.

When using DECO-LINE sheets in 1 mm thickness in a press it is better to press without the sponge rubber mat. The mat could cause irregular optics in the mirror surface. If you want to have a perfect mirror result, ask us for design sheets in 2 mm thickness.

Should by reason of transport or stock conditions the design sheet not have a crease-free protective film, the film should be removed prior to pressing process. The pressure applied should amount to 2 kg/cm² (0.2 N/mm²), the temperature to approx. 45°C and the pressing time to around 10 minutes. The bonding of the balancing material and the design sheet should be done in a single working process. Standard HPL sheets are suited as a balancing material. During pressing onto an untreated particle-board with a thickness of 16 mm the best results were achieved with a 1 mm polystyrene sheet for balancing.

Following pressing allow the sheets to cool in a stack over night (about 16 hours). Cover the stack with a 19 mm plate so that the uppermost sheet also remains flat.

ACCESSORIES

PROFILES

For a perfect edging of SIBU design sheets or to cover necessary expansion gaps of the products, we offer technically and optically adjusted profiles. These profiles are divided into 5 groups, please consider our recommendations for your selected design sheets.

SIBUKLE D22HV - solvent-free dispersion adhesive

The best suitable spatula size A1 or A2 is given for each product.

Applications: SIBUKLE D 22 HV is highly suitable for the bonding of SIBU products onto absorbent, flat surfaces such as wood, plywood, particleboard, gypsum plasterboard, concrete or smooth brickwork.

WARNING: SIBUKLE D 22 HV is entirely unsuitable for non-absorbent surfaces such as tiles, plastics, metals, glass, etc.

ACRYLIC POLISHING-KIT

With the polishing-kit you are able to repair marks of consumption or scratches appearing on the acrylic surface.

At the same time the polishing creates protection of the surface. Set includes: • polishing paste • sponge • polishing cloth

SPECIAL COLORS

You like our design - but it is not available in your color? In the rubric "special colors" we have listed up for you the additional surfaces, which can be specially produced for you in low quantity.

STORAGE / TRANSPORT

STORAGE INSTRUCTIONS

SIBU design sheets must always be kept in indoor stock, no storage outside! Following instructions are to be considered:

- Design sheets to be stored flat, rolled packed design sheets should be unpacked and laid out flat and - if necessary - subjected to additional weight to improve flatness (Use carton underlay and weigh down the entire sheet in order to prevent damage.)
- Store the uppermost plate in the pile with decor side down.
- Protect SIBU products from UV rays.
- Do not expose SIBU products to moisture or humidity.
- Protect material from dirt, dust and mechanical damages.
- A permanent storage of more than 3 months at a temperature less than 0°C or more than +30°C may impact the quality of our design sheets and should be avoided.

TRANSPORT INSTRUCTIONS

In general, for the transport of SIBU products pay attention to protect them from dirt, UV radiation, moisture and mechanical damages.

- Use stable, flat pallets with carton bedding, the pallet should be longer than the design sheets.
- Place the uppermost design sheet on the pallet with the decor side face down. This uppermost design sheet should be protected in addition by a carton and a board (e.g., chipboard, HDF..).
- The design sheets should be protected from shifting.
- The edges and sides must be also protected (edge protection, PE foil..)
- Avoid temperatures below – 35 °C or more than + 50 °C.
- Structured sheets to be transported on pallets with the patterns running in same direction.
- Basically, the transport of SIBU design sheets in rolled condition is possible. LL ROMBO 12, LL ROMBO 40, LL ROMBO 85, LL QUADRO as well as CR CRISTAL ROMBO 85 are excluded.
- SIBU products must be acclimatized prior to processing; ideal processing temperature is approx. + 10 °C to + 30 °C.
- Before any processing of the design sheets read the attached processing instructions which you can also find on the SIBU website!
- SIBUKLE D 22 HV should not be long-time stored below + 5 °C and must be protected from frost during transportation.

CLEANING / DISPOSAL

CLEANING

DECO-LINE, STRUCTURE-LINE, ACRYLIC-LINE, PUNCH-LINE, PUNCH-LINE 3D: in case of light dirt by means of soft cleaning cloth (it should be free of dust and free of dirt). In case of heavy dirt by means of standard plastic or window cleaner (spray cleaners not onto the material surface, but sparingly onto the cleaning cloth).

Do not use abrasive cleaners, solvent cleaners or pure alcohol!

LEATHER-LINE: Clean leather surfaces by means of standard liquid soap and then remove the soap with a humid cloth.

Imitation fur surfaces: In case of light dirt clean LL Savanna, LL Marabu, LL Reggae , LL Eleganza with a vacuum cleaner, in case of heavy dirt clean with a humid cloth.

DISPOSAL

The keeping of healthy environment has high priority for us! We check all raw materials used for their environmental compatibility. Because not everyone has its own plastic disposal container, we pay special attention in development of new products to use only high-quality materials: materials, which may be disposed safely with the domestic waste. On demand we are pleased to provide LGA certificates for all SIBU design sheets.

PROCESSING INFORMATION

GROUND PREPARATION FOR GLUING

The ground should be dry and flat, free from loose parts, dust, dirt, grease, wax and silicone. To achieve a maximum adhesion, non-absorbent surfaces should be cleaned with alcohol (ethanol, isopropyl alcohol).

Self-adhesive (SA) sheets are suitable for both, absorbent and non-absorbent surfaces, although non-absorbent surfaces are recommended.

Before using MultiStyle (MS) on a porous or highly absorbent surface, e.g. brickwork, gypsum plasterboards or untreated chipboards, we recommend undercoating the ground. Alternatively you can use our SIBUKLE D22 HV dispersion adhesive as a suitable first coat.

We also recommend SIBUKLE D22 HV dispersion adhesive when using non-adhesive STRUCTURE-LINE (SL) and DECO-LINE (DM) sheets on porous or highly absorbent grounds, e.g. brickwork or gypsum plasterboards and untreated chipboard.

In case of non-absorbent grounds surface tension should be at least 38 dyn (industrial info!). For application on convex or concave grounds all sheet edges must be fixed mechanically.

BONDING

Ideal processing temperature ranges from + 10°C up to + 30°C. The design sheets should be acclimatized, i.e. they should be brought to room temperature prior to processing (avoidance of condensation on the gluing surface).

A temperature increase of 10°C will cause our products to expand by approx. 0.7 mm over a length of 1 meter. As a rule, expansion gap of approx. 2 – 3 mm should be kept at each sheet edge!

In case of high surroundings temperature or major temperature-fluctuations the expansion gap should be increased or the sheet format should be chosen smaller. Avoid blistering (air inclusions); use a medium-hard hand rubber roller with a width of approx. 170 mm.

Remove the backing cover step-by-step from self-adhesive design sheet (SA), do not touch gluing surface and press the sheet onto the ground as firmly as possible. The final adhesion power will be reached at room temperature after 24 hours.

PROCESSING SIBUKLE

Application: SIBUKLE D 22 HV is best suited for the gluing of SIBU products onto absorbent flat grounds like wood, plywood, chipboard, gypsum plasterboard, concrete or smooth brickwork.

ATTENTION: SIBUKLE D 22 HV is not suited for non-absorbent grounds such as tiles, plastics, metals, glass, etc.

Processing: Apply exclusively on the entire cleaned ground by means of fine spatula (spatula toothing is given for every product).

At a surroundings temperature between 20°C and 35 °C the adhesive should then be left to air for 20 - 50 minutes.

The higher the surroundings temperature is the shorter is the airing time.

Finger test: After application with the spatula the maximum airing time is reached as soon as the glue no longer sticks to the fingers!

Storage: In the original airtight containers the adhesive can be stored up to 12 months from delivery date. Store always above freezing point. Protect from frost, otherwise the glue cannot be used anymore!

SIBU GLAS INFOS

UPDATE 1.4 C GB



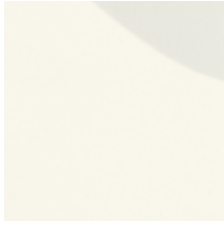
SIBU
DESIGN

DESIGN OVERVIEW



SG Ice White
2600 x 1000 x 2.7 mm
NA 17937 / SA 17919

SG Ice White AR+
2600 x 1000 x 2.7 mm
NA 17915 / SA 17941



SG Bianco
2600 x 1000 x 2.7 mm
NA 17934 / SA 17938

SG Bianco AR+
2600 x 1000 x 2.7 mm
NA 17912 / SA 17916



SG Magnolia
2600 x 1000 x 2.7 mm
NA 17936 / SA 17940

SG Magnolia AR+
2600 x 1000 x 2.7 mm
NA 17914 / SA 17918



SG Malaga
2600 x 1000 x 2.7 mm
NA 17987 / SA 17989

SG Malaga AR+
2600 x 1000 x 2.7 mm
NA 17963 / SA 17965



SG Mocca
2600 x 1000 x 2.7 mm
NA 17986 / SA 17988

SG Mocca AR+
2600 x 1000 x 2.7 mm
NA 17962 / SA 17964



SG Nero
2600 x 1000 x 2.7 mm
NA 17935 / SA 17939

SG Nero AR+
2600 x 1000 x 2.7 mm
NA 17913 / SA 17917



**SG FLEUR
Black/Gold**
2600 x 1000 x 1.5 mm
NA 17946 / SA 17953

**SG FLEUR
Black/Gold AR+**
2600 x 1000 x 2.4 mm
NA 17821 / SA 17842



**SG LUXURY
Gold**
2600 x 1000 x 2.2 mm
NA 17944 / SA 17951

**SG LUXURY
Gold AR+**
2600 x 1000 x 3.1 mm
NA 17819 / SA 17840



**SG LUXURY
Bronze**
2600 x 1000 x 2.2 mm
NA 17945 / SA 17952

**SG LUXURY
Bronze AR+**
2600 x 1000 x 3.1 mm
NA 17820 / SA 17841



**SG LACE White/Vintage
Brown**
2600 x 1000 x 1.5 mm
NA 17943 / SA 17950

**SG LACE White/Vintage
Brown AR+**
2600 x 1000 x 2.4 mm
NA 17818 / SA 17839



**SG LACE
Black/Platin**
2600 x 1000 x 1.5 mm
NA 17942 / SA 17949

**SG LACE
Black/Platin AR+**
2600 x 1000 x 2.4 mm
NA 17817 / SA 17838



**SG ANTIGUA
Gold**
2600 x 1000 x 2.2 mm
NA 17947 / SA 17954

**SG ANTIGUA
Gold AR+**
2600 x 1000 x 3.1 mm
NA 17822 / SA 17843



SG Vintage Silver
2600 x 1000 x 1.9 mm
NA 17158 / SA 17160

SG Vintage Silver AR+
2600 x 1000 x 2.8 mm
NA 17197 / SA 17199



SG Vintage Copper
2600 x 1000 x 1.9 mm
NA 17159 / SA 17161

SG Vintage Copper AR+
2600 x 1000 x 2.8 mm
NA 17198 / SA 17200



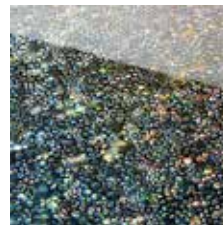
SG PEARL RAY Gold
2600 x 1000 x 2.0 mm
NA 17006 / SA 17010

SG PEARL RAY Gold AR+
2600 x 1000 x 2.9 mm
NA 17012 / SA 17014



SG COCKTAIL Opal
2600 x 1000 x 2.4 mm
NA 16987 / SA 16990

SG COCKTAIL Opal AR+
2600 x 1000 x 3.3 mm
NA 16997 / SA 17000



SG COCKTAIL Sapphire
2600 x 1000 x 2.4 mm
NA 16988 / SA 16991

SG COCKTAIL Sapphire AR+
2600 x 1000 x 3.3 mm
NA 16998 / SA 17001



SG COCKTAIL Amber
2600 x 1000 x 2.4 mm
NA 16989 / SA 16992

SG COCKTAIL Amber AR+
2600 x 1000 x 3.3 mm
NA 16999 / SA 17002



SG YUKON
2600 x 1000 x 1.5 mm
NA 17005 / SA 17009

SG YUKON AR+
2600 x 1000 x 2.4 mm
NA 17011 / SA 17013



SG LEGUAN Silver
2600 x 1000 x 1.9 mm
NA 16967 / SA 16968

SG LEGUAN Silver AR+
2600 x 1000 x 2.8 mm
NA 16975 / SA 16979



SG LEGUAN Copper
2600 x 1000 x 1.9 mm
NA 16969 / SA 16972

SG LEGUAN Copper AR+
2600 x 1000 x 2.8 mm
NA 16976 / SA 16981



SG LEGUAN Blue
2600 x 1000 x 1.9 mm
NA 16971 / SA 16974

SG LEGUAN Blue AR+
2600 x 1000 x 2.8 mm
NA 16978 / SA 16984

SIBUGLAS structured sheets have been developed exclusively for interior use!

AR+ SIBUGLAS AR+ products offer outstanding abrasion resistance.
NA non-adhesive / **SA** strongly adhesive (high-quality acrylate adhesive)

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i This information tool was prepared to the best of our knowledge and with special care. The data provided is based on Practical experience, test results and company experiments and corresponds with our current know-how level. No responsibility is accepted for misprints, standard-related mistakes and errors.



SG FLEUR Black/Gold AR+

AREAS OF APPLICATION / ADVANTAGES

EVENTS – When an occasion should be really special!

FURNITURE PRODUCTION – Where superb design and excellent technology make a joint appearance.

HOTELS – In every area, where “standard” is to be surpassed.

TABLE TOPS – Where the very best of taste is required.

HOMES – Where design is in demand, whether for new buildings, or renovations.

WALL PANELS – SIBUGLAS structured sheets lend large surfaces a sparkling presence.

SLIDING DOORS – Where exclusive designs with a genuine glass look meet the most stringent standards.

INTERIORS – For columns, wall coverings and dividing walls.

DISPLAY WINDOWS – For goods presentations, displays, back walls, curtains, ...

TRADE FAIRS & SHOP FITTINGS – Eye-catchers, stand walls, displays, lettering, podiums, ...

LABELLING / DISPLAYS – For extravagant presentations.

PRODUCT ADVANTAGES

Flexible handling: highly or non-adhesive, also for PVA/PUR pressing.

High-gloss, glassy brilliance with an excellent depth effect.

Far better fracture resistance than glass and easier to handle.

Half the weight of glass.

Owing to a balanced and resistant reverse side, SIBUGLAS offers strong bonding without counter-pressure.

SIBUGLAS in the AR+ version has a scratch-resistant surface that can even withstand steel wool.

Monochrome and trend-designs available in over 20 colours/ patterns.

Top quality product look.



APPLICATION EXAMPLES



SIBUGLAS STANDARD PROCESSING

GROUNDS - BONDING - EXPANSION GAPS

Strongly adhesive SIBUGLAS SA structured sheets are suitable for use on both absorbent and non-absorbent surfaces such as plasterboard, raw particle board and smooth masonry, **whereby non-absorbent surfaces are recommended.**

The ground surface must be clear of any loose material, be capable of providing support, dry, smooth and free of dust, dirt, grease, wax and silicone. In order to achieve maximum adhesion, non-absorbent grounds should always be cleaned with alcohol (ethanol, isopropyl alcohol).

In the case of convex and concave grounds, mechanical anchorage is required along the edges.

The ideal processing temperature range is between + 10° C and + 30° C. Prior to processing, the SIBUGLAS sheets must be brought up to room temperature (in order to avoid the formation of condensation on the adhesive surface).

As a rule, an approx. 2-3 mm expansion gap must be left on the sheet edges. In the case of higher ambient temperatures and sizeable temperature fluctuations, the expansion gap should be larger, or smaller sheet dimensions be selected.

It is imperative that air bubbles be avoided and therefore a medium-hard, rubber hand roller with a width of around 170 mm should be employed. In the case of the strongly adhesive SIBUGLAS (SA) sheets, the film protecting the adhesive should be removed gradually without touching the glue. The sheet should then be pressed down as firmly as possible onto the ground surface. At room temperature, final bonding strength is first reached after 24 hours.

BONDING & POINTING WITH SIBU SILICON 1.4 A

This type of processing is most suitable on ground surfaces such as plasterboard, absorbent and non-absorbent wood sheets smooth masonry and tiles. Silicone bead: height approx. 3-4 mm, 10 mm gap to the edge of the sheet and a distance of approx. 60 mm distance from bead to bead.

Cleaning: remove any dirt from the silicone as quickly as possible!

PVA/PUR BONDING (please see pages 12-15)

MAGNETIC

With SIBUGLAS MAGNETIC professional decoration changes become child's play. Deliveries can be made for orders of three sheets and upwards. Any surfaces suitable for magnets can be used as a ground and should these be unavailable, SIBU METALFOIL provides the solution.

SURFACE PROTECTION

All the top surfaces are safeguarded against damage by a protective film, which should first be removed following processing.

USE OF SIBU PROFILES

The profiles have to be brought up to room temperature prior to processing. Cutting to length must always begin on the top surface and the profiles be sawn for bevelling and precisely angled edge quality.

The profiles must be positioned in such a way that the sheet material to be covered can expand behind the profile nose (1-3 mm). Precise positioning of the profiles on the ground surface is essential, as once stuck down the profiles cannot be newly bonded.

SIBU SILICON 1.4 can be used as an adhesive when standard, metal T- or end profiles are employed. In this case corrections during installation are still possible, subject to the precondition that the SIBUGLAS sheet is also bonded with SIBU SILICON 1.4 A.

SURFACE SEALING only in the case of **non-AR+** SIBUGLAS sheet versions.

We recommend that SIBUGLAS sheet surfaces be polished immediately after mounting. As is the case with automotive paint, this offers good scratch protection. Moreover, with our acrylic POLISHING KIT superficial traces of wear and scratches in the SIBUGLAS surface can always be polished out. The POLISHING KIT contains a polish paste, a sponge and a polishing cloth.

GOLDEN RULES for all types of cutting

Use high machine speeds, rapid advance and sharp tools!

Wherever possible, heat should always be avoided, as this can lead to material tensions.

SAWING

SIBUGLAS sheets can be cut with jig, hand-held circular, panel and circular table saws. During cutting on the reverse side, the underlay should also be sawn through.

Information: jigsaws. Prior to cutting with a jigsaw, the SIBUGLAS sheet should be anchored to the work table by means of an aluminium lath and screw clamps. Cutting should take place at approximately 2,000 strokes/min with rapid advance and no pendulum stroke. Sheet wobble and tilting of the jigsaw (heat generation) are to be avoided. Cutting with the jigsaw should always take place from the reverse side.

Saw blade. Use a standard jig saw blade with teeth spacing of 1.0-2.0 mm, or a Bosch "Clean for PMMA" blade with teeth spacing of 1.8 mm.

Information: hand-held circular saws. Prior to cutting with the hand-held circular saw, the SIBUGLAS sheet should be anchored to the work table by means of an aluminium lath and screw clamps. The saw blade overlap should amount to between 10 and 20 mm. Rapid advance and maximum rpm should be used. The saw blade must not tilt (heat generation) and sheet wobble is to be avoided. Cutting with the hand-held circular saw should always take place from the reverse side.

Saw blade. Use a blade with alternate chamfered teeth at spaces of approx. 10 mm irrespective of the saw blade diameter.

Information: panel and circular table saws. Use rapid advance at approx. 4,000 rpm and a saw blade diameter of around 300 mm. The saw blade overlap should amount to between 10 and 20 mm. Do not use circular saw blades with cross-set teeth.

Ideal circular saw blade. Tooth form: flat, trapezoidal teeth, diameter: 300 mm, total teeth: 72, tooth distribution: approx. 13 mm. During the cutting or milling of recesses or openings, the corners of the cut edges should always be pre-drilled. This prevents notch effects and thus the danger of sheet fracture. The drillings should have a diameter of approx. 10 mm.

FLAMMABILITY SIBUGLAS products are subject to standard flammability pursuant to DIN 4102 B2.

DRILLING

Small drillings are carried out with an acrylic glass spiral drill, while a core drill with, e.g. 4-6 carbide tips is employed for larger drillings and recesses. If the SIBUGLAS is anchored firmly, a well-honed wood drill can also be used.

Cutting and processing data for acrylic glass spiral drills. Free angle: 3° to 8°, rake angle 0° to 4°, point angle 60° to 90°, twist angle 12° to 16°, cutting speed 10 to 60 m/min, advance 0.1 to 0.3 mm/rev. Always slightly chamfer and countersink the drillings.

Information for standard metal spiral drills. Prior to use, these must be suitably sharpened for the material.

Rake angle 0° to 4°, point angle 110° to 130°. Wherever possible, laser drilling is preferable.

EDGE PROCESSING

Cut, sawn or milled edges should be smoothed and deburred using a scraper or a machine file (an acrylic file is better).

Edge profiling. The edges can be easily brought into the desired shape using a profile cutter with a ball bearing (please see page 9).

Edge polishing. Smooth SIBUGLAS cut edges can be simply polished manually using polishing paste.

LASER CUTTING

SIBUGLAS sheets can be processed using standard lasers. The cutting speed is in line with the laser wattage.

Note. Place the SIBUGLAS sheet on the laser machine in such a way that its reverse side is on the machine's extraction side. As is the case with all standard PMMA products, it is recommended that following laser cutting the material be "tempered". The high temperature of the laser causes tension in the material, which can lead to cracking.

Tempering equalises these tensions.

PRINTING

Standard SIBUGLAS products (non-AR+) are suitable for printing, pre-testing is advisable for SIBUGLAS AR+.

CLEANING/CARE

Warm water with washing-up liquid or oil-free benzine are suitable cleaning agents. Soiled cloths and abrasive cleaning agents are to be avoided. No razor blades, knives or scrapers should be used with SIBUGLAS AR+, as they can cause scratches and damage the abrasion-resistant coating. Dry rubbing is to be avoided under all circumstances.

As is the case with all standard PMMA products, it is recommended that following laser cutting the material be "tempered".

DISPOSAL

Current LGA certificates exist for SIBUGLAS. We are pleased to make these available.

Private area. SIBUGLAS can be disposed of with the normal household refuse.

Commercial area. SIBUGLAS should be conducted to thermal disposal.

STORAGE INFORMATION

Always store SIBUGLAS products dry and flat, and protect them against the effects of humidity. Wrap the sheets in plastic together with a silicate cachet and seal carefully. This prevents possible ripples along the sheet edges due to moisture in the air. Outdoor storage is not possible and the following should be noted. Sheets delivered in rolls should be unpacked immediately and laid down flat with the topside pointing upwards. Flatness is improved by weighing down. In order to prevent damage, the card underlay should be used and weighed down over its entire area. The uppermost sheet in the stack should be stored face down. In storage, SIBUGLAS must be protected against sunlight and not come into contact with any liquids or damp. The material should also be safeguarded against dirt, dust and mechanical damage.

TRANSPORT INFORMATION

When transporting SIBUGLAS care should be taken that the sheets are protected against dirt, UV rays, moisture and mechanical damage. Stable, flat pallets that are larger than the sheets are to be employed with a card underlay.

The uppermost sheet must lie on the pallet with the structured face down. In addition, this top sheet should be protected by card and a slatted frame. The edges and the sides must also be safeguarded (edge protection, PE film, ...) and temperatures below minus 35° C or above 50° C should not be exceeded. Basically, thin SIBUGLAS sheets with thicknesses of 1.5 to 2.4 mm can be transported in rolls.

INCOMPATIBLE SUBSTANCES - SIBUGLAS AR+

In accordance with the surface test for chemical impact pursuant to DIN EN 68 861-1 testing conditions.

During this test no changes were determined. The only exception: red wine, as after 24 hours the surface was slightly matt.

SIBUGLAS SA

BONDED ONTO COATED WOOD BASE SHEETS
INCLUDING EDGES AND MILLING

MATERIAL REQUIREMENTS:

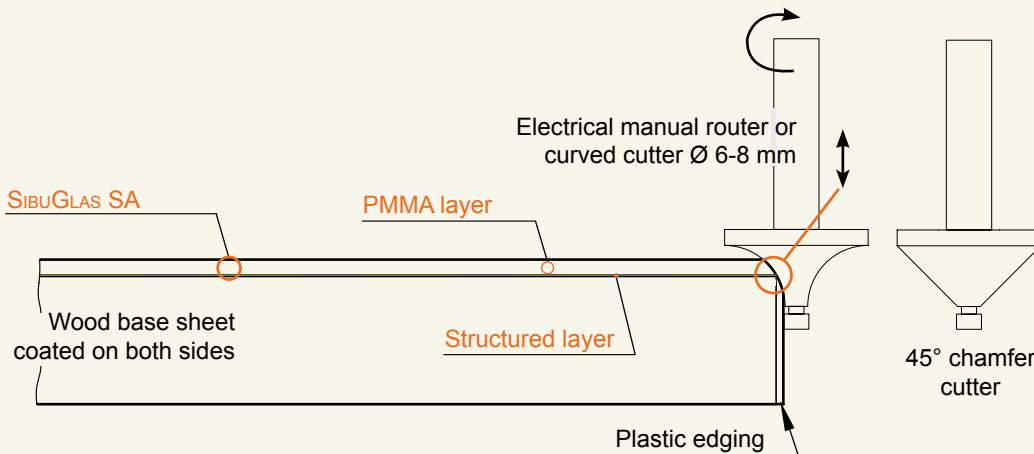
- SIBU structured sheet: **SIBUGLAS SA** dimensions: 2,600 x 1,000 mm, strongly adhesive
Wood base sheet: **Wood base sheet coated on both sides**, dimensions: 2,600 x 1,000 mm
Counter-pressure: **Not required**
Edge material: **All standard furniture edging**

PROCESSING STEPS:

1. Clean the coated wood sheet.
2. Remove the protective film on the adhesive side of the SIBUGLAS sheet.
3. Bond the SIBUGLAS sheet onto the wood base sheet using a rubber roller.
4. Immediately cut the bonded sheets into the desired final dimensions (saw).
5. Place the edgings on the edge gluing machine.
6. **Using an electrical manual router, cut a rounded or chamfered edge exactly up to the point of transition from the transparent PMMA layer to the structured layer. Please see sketch!**

In combination, the edge material and the transparent PMMA layer give the resultant radius or chamfer. The thicker the edge material, the wider the facet.

Facet milling is the prerequisite for an edged end product!



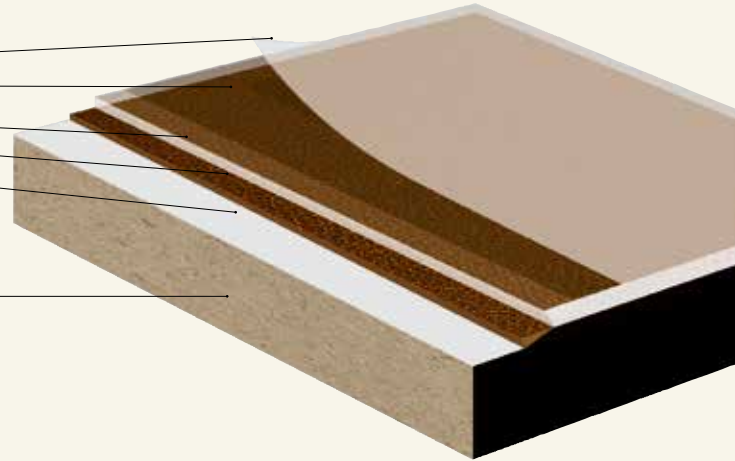
**SIMPLY
CREATE
STYLE!**

SIBUGLAS DESCRIPTION - STRUCTURE

SIBUGLAS structured sheet

- PE-protective film
- Scratch-resistant surface, only in the **AR+** version
- Transparent PMMA layer, UV-resistant
- PU leather / structured layer, special synthetic fibres
- SA, strongly adhesive reverse side

Coated wood base sheet



SIBUGLAS STRUCTURED SHEET - PRODUCT STRUCTURE

SIBUGLAS is a compound material consisting of the following individual components. The characteristics of the individual materials, as well as correct processing, are decisive for the overall quality of components/decorative elements with SIBUGLAS.

Structure: SIBUGLAS

Total thickness: 1.93 – 2.53 mm

Transparent PMMA layer: 1.1 mm

Structured layer: 0.7 - 1.3 mm
(incl. special synthetic fibres)

SA, strongly adhesive reverse side: 0.13mm

Structure: SIBUGLAS, single colour

Total thickness: 2.83 – 3.43 mm

Transparent PMMA layer: 2.0 mm

Structured layer: 0.7 - 1.3 mm
(incl. special synthetic fibres)

SA, strongly adhesive reverse side: 0.13 mm

Structure: SIBUGLAS AR+

Total thickness: 2.83 – 3.43 mm

Transparent PMMA layer: 2.0mm with

excellent abrasion resistance

Structured layer: 0.7 – 1.3 mm
(incl. special synthetic fibres)

SA, strongly adhesive reverse side: 0.13 mm

The 1.1 or 2.0 mm transparent layer lends SIBUGLAS a genuine glass appearance with outstanding product characteristics.

VARIOUS APPLICATION EXAMPLES:

- Table tops
- Bar and furniture fronts
- Shelf floors
- Side walls
- Room doors
- Sales podiums
- Sliding doors

INCOMPATIBLE SUBSTANCES - SIBUGLAS AR+

In accordance with the surface test for chemical impact pursuant to DIN EN 68 861-1 testing conditions.

During this test no changes were determined. The only exception: red wine, as after 24 hours the surface was slightly matt.

GOLDEN RULES

Use high machine speeds, rapid advance and sharp tools!

SAWING/ EDGING

In order to optimise cut quality, we suggest the use of narrow, unset, carbide tipped circular saw blades for plastic and laminate surfaces with as many alternate and/or hollow teeth as possible. The saw blade should have a minimum speed of at least 2,800 rpm (preferably 4,000 rpm). The sheets should be sawn individually and scoring may not be employed. Ideally, the saw blade should not protrude by more than 10-20 mm.

A SAW BLADE TIP

Fa. Leitz, Art. No. 58453, diameter: 250 mm, width: 2.4 / 1.6 mm, number of teeth: 30, alternate teeth Z80/9.82.

The alternate teeth are bevelled on the outside (bevelling: 0.3 mm, 45°) and must also always be sharpened. For a clean-cut edge it is important that the saw blade is really sharp!

Do not use cross set-up circular saw blades!

MILLING

As is the case with sawing, **high speeds and careful and slow feeding should be used!**

Basically, the machinery and tools employed for woodworking are suitable for the processing of our SIBUGLAS sheets bonded onto wood base sheets. Narrow milling edges can be subsequently improved optically with a scraper or emery paste.

For a clean-cut edge, it is important that the tools are always well sharpened!

DRILLING

Use a **wood drill!** Hinge drillings and similar processes can be completed easily with a Forstner bit.

APPLYING FURNITURE EDGING

All standard, plastic furniture edging can be mounted using standard procedure.

SURFACE SEALING only in the case of **non-AR+** SIBUGLAS sheet versions.

With our acrylic POLISHING KIT superficial traces of wear and scratches in the SIBUGLAS surface can always be polished out. The POLISHING KIT contains a polish paste, a sponge and a polishing cloth.

STORAGE Please see page 08

CLEANING/CARE

Warm water with washing-up liquid or oil-free benzine are suitable cleaning agents. Soiled cloths and abrasive cleaning agents are to be avoided. No razor blades, knives or scrapers should be used with SIBUGLAS AR+, as they can cause scratches and damage the abrasion-resistant coating. Dry rubbing is to be avoided under all circumstances.

SIBUGLAS sheets may not be cleaned with alcohol or a solvent.

SURFACE PROTECTION

All the top surfaces are safeguarded against damage by a protective film, which should first be removed following processing.

SIBUGLAS PVA

GLUED AND PRESSED ON ABSORBENT WOOD BASE SHEETS

Whether on home furniture, in display windows, bars, hotels, or trade fair stands, today SIBUGLAS is used for a diversity of applications. SIBUGLAS is a multi-layer sheet consisting of PMMA, PU leather and a special synthetic fibre, which can be bonded onto absorbent surfaces using PVA white glue. In order to ensure optimum flatness, we also deliver an accompanying, technically matching balancing sheet.

SIBUGLAS / SIBUGLAS AR+ AR+ WITH SCRATCH-RESISTANCE SURFACE INCL. SIBUGLA BALANCING SHEET

A **major processing advantage** of our SIBUGLAS sheets is provided by a **special synthetic fibre on the reverse side** (on the structured sheet+balancing sheet). The saturated, synthetic fibres compensate for any small surface irregularities or fine, overseen particles of dirt. Both SIBUGLAS reverse sides are saturated with PVA white glue as evenly and quickly as possible using a roller. They are then laid on both sides of the absorbent wood base sheet and this composite is subsequently placed in a sheet press.

As a result, perfect, high-gloss surfaces can be simply created.

SIBUGLAS DESCRIPTION - STRUCTURE

SIBUGLAS structured sheet

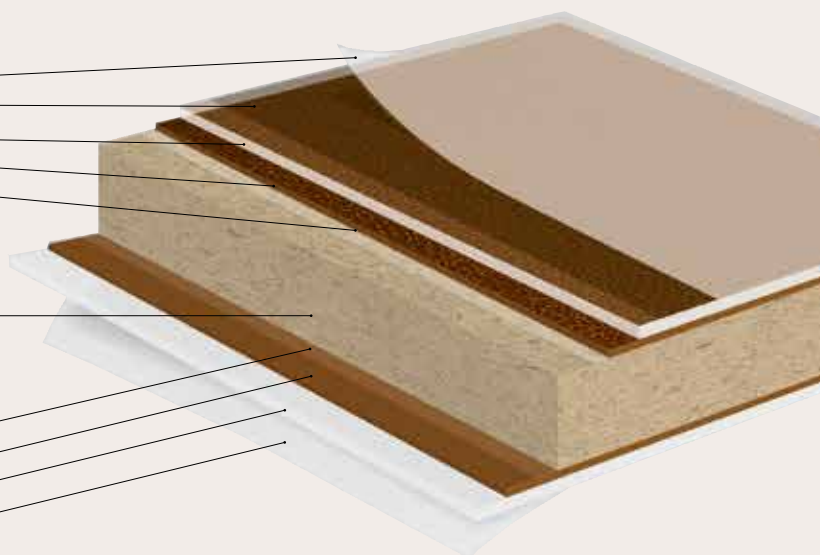
- PE protective film
- Scratch-resistant surface, only in the **AR+** version
- Transparent PMMA layer, UV-resistant
- PU leather / structured layer, special synthetic fibres
- PVA white glue

Wood base sheet,

minimum thickness of 16 mm!

SIBUGLAS balancing sheet

- PVA white glue
- PU leather / one-colour, special synthetic fibres
- PMMA sheet
- PE protective film



SIBUGLAS structured sheets that have been glued and pressed in this manner can be easily processed with the majority of woodworking machinery and tools with good results. The PE protective film must be left on the top surface during processing. Optimum machine parameters, tool layout and cutting speeds are to be determined individually prior to production on the basis of a sample.

SIBUGLAS STRUCTURED SHEETS - PRODUCT STRUCTURE

SIBUGLAS is a compound material consisting of the following individual components. The characteristics of the individual materials, as well as correct processing, are decisive for the overall quality of components/decorative elements with SIBUGLAS.

Structure: SIBUGLAS

Total thickness: 1.8 – 2.4 mm

Transparent PMMA layer: **1.1 mm**

Structured layer: 0.7 – 1.3 mm
(incl. special synthetic fibres)

STRUCTURE: SIBUGLAS, SINGLE COLOUR

Total thickness: 2.7 – 3.3 mm

Transparent PMMA layer: **2.0 mm**

Structured layer: 0.7 – 1.3 mm
(incl. special synthetic fibres)

Structure: SIBUGLAS AR+

Total thickness: 2.7 – 3.3 mm

Transparent PMMA layer: **2.0 mm**
with **excellent abrasion resistance**

Structured layer: 0.7 – 1.3 mm
(incl. special synthetic fibres)

The 1.1 or 2.0 mm transparent layer lends SIBUGLAS a genuine glass appearance with outstanding product characteristics.

SIBUGLAS BALANCING SHEET

A technically matching balancing sheet is required for the glued and pressed composite (surface + wood base sheet + counter-pressure) that is ideally matched to the characteristics of the materials used. This virtually rules out warping due to heat, cold or fluctuating humidity.

Total thickness: 1.8 mm or 2.7 mm

BONDING INSTRUCTIONS FOR SIBUGLAS SHEETS WITH PVA WHITE GLUE

Glue application: only use flat, wood base sheets!

The acclimatised SIBUGLAS structured and balancing sheets, as well as the wood base sheet, should be laid out adjacent to one another on a straight, clean and sufficiently large work table. The cut wood base sheet must be roughly 10mm larger than the SIBUGLAS sheets.

Both SIBUGLAS sheets should first be generously coated with PVA glue using a roller. Owing to the highly absorbent SIBUGLAS reverse side, the consumption of PVA white glue is considerable and amounts to approx. 200 – 300 g/m².

Shortly before bonding, the synthetic fibres should have a wet, sticky shine. Subsequently, both SIBUGLAS sheets are positioned as quickly as possible on the middle of the wood base sheet.

! Warning! Glue should not be applied directly to the wood base sheet, as this can have a negative effect on evenness!

Pressing.

The composite sheet is now placed in the press for approx. 15 minutes at 30° C. Do not apply excessive pressure and take into account both your know-how and the values gained from personal experience. Standard value: 20 N/m² or 2 kg/m²

! As soon as the sheets are removed from the press, they must be stored under stacking pressure for at least 12 hours in a FLAT position. A genuinely even surface is extremely important for the flatness of the composite sheet!

A second possibility for small batches is to press the sheets in the machine overnight at approx. 20° C. This type of processing eliminates the need for subsequent stack pressure.

! Always clean the press thoroughly prior to processing SIBUGLAS sheets! The cleanliness of the sheet press will be mirrored by the structured surface!

Wood base sheets with minimum warping (exception). If from the outset the wood base sheets are not exactly flat, the backing sheet should always be glued onto the hollow side (inner radius) and the structured sheet onto the side with the outward warp (outer radius). This facilitates further processing and installation.

Cutting to length/edge trimming and other processing steps. At the earliest, complete this work 24 hours after gluing/pressing!

Edging application. As usual, any standard edging can be mounted in the familiar manner!

INCOMPATIBLE SUBSTANCES - SIBUGLAS AR+

In accordance with the surface test for chemical impact pursuant to DIN EN 68 861-1 testing conditions.

During this test no changes were determined. The only exception: red wine, as after 24 hours the surface was slightly matt.

GOLDEN RULES

Use high machine speeds, rapid advance and sharp tools!

SAWING/ EDGING

In order to optimise cut quality, we suggest the use of narrow, unset, carbide tipped circular saw blades for plastic and laminate surfaces with as many alternate and/or hollow teeth as possible. The saw blade should have a minimum speed of at least 2,800 rpm (preferably 4,000 rpm). The sheets should be sawn individually and scoring may not be employed. Ideally, the saw blade should not protrude by more than 10-20 mm.

A SAW BLADE TIP

Fa. Leitz, Art. No. 58453, diameter: 250 mm, width: 2.4 / 1.6 mm, number of teeth: 30, alternate teeth Z80/9.82.

The alternate teeth are bevelled on the outside (bevelling: 0.3 mm, 45°) and must also always be sharpened. For a clean-cut edge it is important that the saw blade is really sharp!

! Do not use cross set-up circular saw blades!

MILLING

As is the case with sawing, **high speeds and careful and slow feeding should be used!**

Basically, the machinery and tools employed for woodworking are suitable for the processing of our SIBUGLAS sheets bonded onto wood base sheets. Narrow milling edges can be subsequently improved optically with a scraper or emery paste.

For a clean-cut edge, it is important that the tools are always well sharpened!

DRILLING

Use a **wood drill!** Hinge drillings and similar processes can be completed easily with a Forstner bit.

APPLYING FURNITURE EDGING

All standard, plastic furniture edging can be mounted using standard procedure.

SURFACE SEALING only in the case of **non-AR+** SIBUGLAS sheet versions.

With our acrylic **POLISHING KIT** superficial traces of wear and scratches in the SIBUGLAS surface can always be polished out. The **POLISHING KIT** contains a polish paste, a sponge and a polishing cloth.

STORAGE Please see page 08

CLEANING/CARE

Warm water with washing-up liquid or oil-free benzine are suitable cleaning agents. Soiled cloths and abrasive cleaning agents are to be avoided. No razor blades, knives or scrapers should be used with SIBUGLAS AR+, as they can cause scratches and damage the abrasion-resistant coating. Dry rubbing is to be avoided under all circumstances.

SIBUGLAS sheets may not be cleaned with alcohol or a solvent.

SURFACE PROTECTION

All the top surfaces are safeguarded against damage by a protective film, which should first be removed following processing.

BALANCING SHEET OVERVIEW

6 DESIGN SHEETS USED AS BALANCING SHEETS



SG Ice White
2600 x 1000 x 2,7 mm
NA 17937



SG Bianco
2600 x 1000 x 2,7 mm
NA 17934



SG Magnolia
2600 x 1000 x 2,7 mm
NA 17936



SG Malaga
2600 x 1000 x 2,7 mm
NA 17987



SG Mocca
2600 x 1000 x 2,7 mm
NA 17986



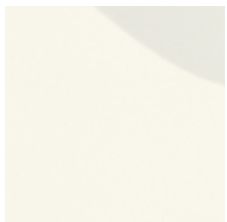
SG Nero
2600 x 1000 x 2,7 mm
NA 17935

The six single-colour sheets shown serve as balancing sheets for the following listed articles:

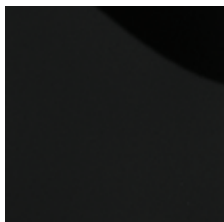
SG Ice White	NA 17937	SG FLEUR Black/Gold AR+	NA 17821	SG YUKON AR+	NA 17011
SG Bianco	NA 17934	SG LUXURY Gold AR+	NA 17819	SG LEGUAN Silver AR+	NA 16975
SG Magnolia	NA 17936	SG LUXURY Bronze AR+	NA 17820	SG LEGUAN Copper AR+	NA 16976
SG Malaga	NA 17987	SG LACE White/Vintage Brown AR+	NA 17818	SG LEGUAN Blue AR+	NA 16978
SG Mocca	NA 17986	SG LACE Black/Platin AR+	NA 17817		
SG Nero	NA 17935	SG ANTIGUA Gold AR+	NA 17822		
SG Ice White AR+	NA 17915	SG Vintage Silver AR+	NA 17197		
SG Bianco AR+	NA 17912	SG Vintage Copper AR+	NA 17198		
SG Magnolia AR+	NA 17914	SG PEARL RAY Gold AR+	NA 17012		
SG Malaga AR+	NA 17963	SG COCKTAIL Opal AR+	NA 16997		
SG Mocca AR+	NA 17962	SG COCKTAIL Sapphire AR+	NA 16998		
SG Nero AR+	NA 17913	SG COCKTAIL Amber AR+	NA 16999		

Further information see page 02

SPECIAL BALANCING SHEETS



SG Balance Sheet Bianco
2600 x 1000 x 1,8 mm
NA 18103



SG Balance Sheet Nero
2600 x 1000 x 1,8 mm
NA 18104

The two thinner balancing sheets are used **exclusively** for the following listed articles:

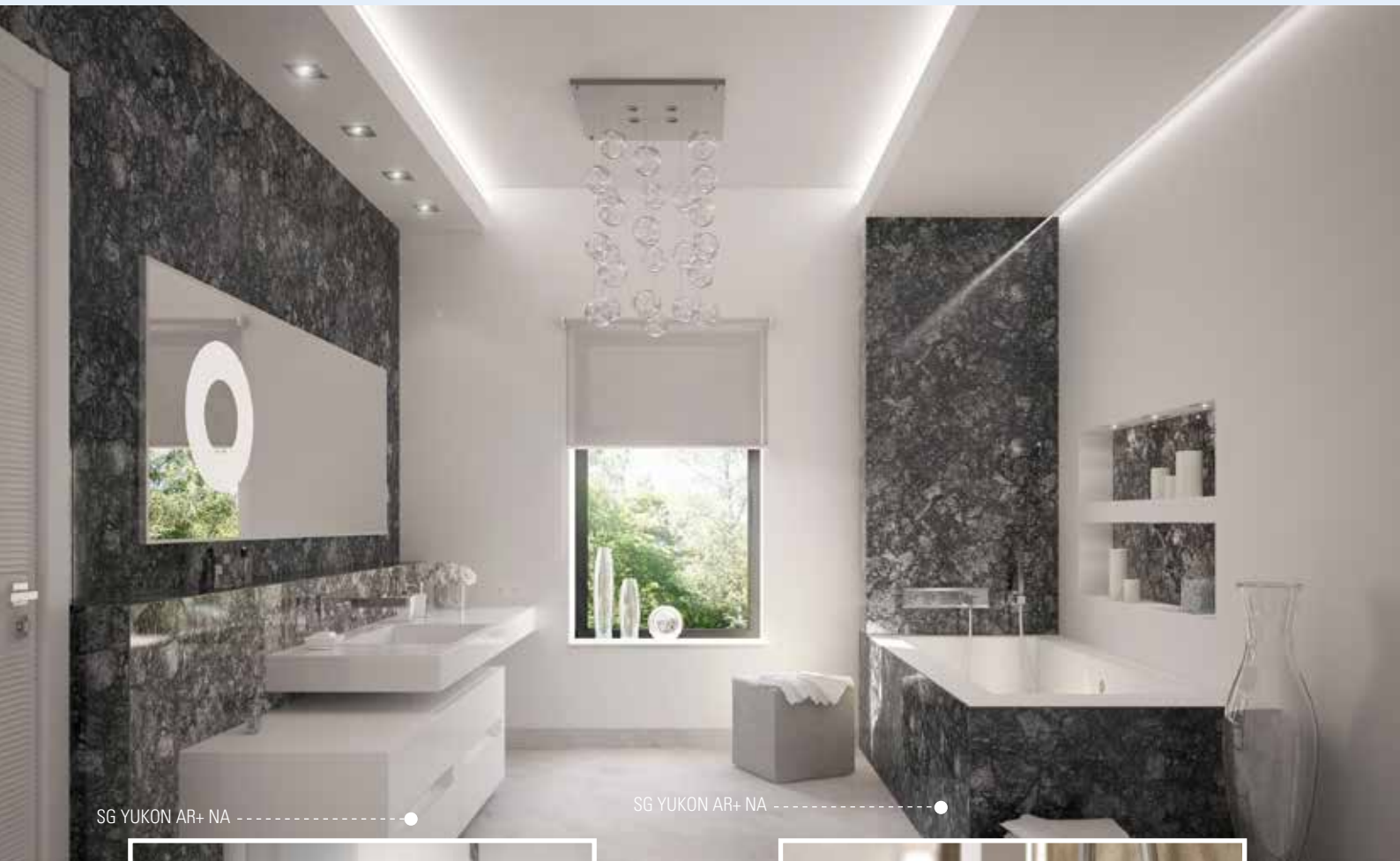
SG FLEUR Black/Gold	NA 17946	SG Vintage Silver	NA 17158	SG YUKON	NA 17005
SG LUXURY Gold	NA 17944	SG Vintage Copper	NA 17159	SG LEGUAN Silver	NA 16967
SG LUXURY Bronze	NA 17945	SG PEARL RAY Gold	NA 17006	SG LEGUAN Copper	NA 16969
SG LACE White/Vintage Brown	NA 17943	SG COCKTAIL Opal	NA 16987	SG LEGUAN Blue	NA 16971
SG LACE Black/Platin	NA 17942	SG COCKTAIL Sapphire	NA 16988		
SG ANTIGUA Gold	NA 17947	SG COCKTAIL Amber	NA 16989		

Further information see page 02

SIBUGLAS AR+ NA

IN THE BATH- AND WET ROOM AREA

SIBUGLAS IS IDEAL FOR THE DESIGN AND RENOVATION OF BATHROOMS! MATERIAL REQUIREMENTS



SG YUKON AR+ NA

SG YUKON AR+ NA



SG LUXURY Bronze AR+ NA

MATERIAL REQUIREMENTS

Structured sheets: SIBUGLAS AR+ NA

Adhesive: SIBU SILICON 1.4 A

Joints/sealing: SIBU SILICON 1.4 A



is a **neutral, cross-linked** silicone that is required for processing. 1 cartridge is sufficient for approx. 1.5 to 2.0m².

Only acetic acid free, neutrally cross-linked silicone may be used.

INSTALLATION INFORMATION

TOOL REQUIREMENTS

Tape measure, spirit level, jigsaw or hand-held circular saw, aluminium lath, screw clamps, battery screwdriver, keyhole saw, scraper, files, cloths, rubber roller, marker, work table, masking tape, ground cleaner, SIBU SILICON 1.4 A.

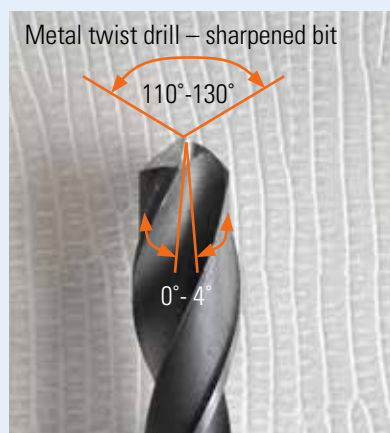
PREPARATIONS

1. Disassemble the sanitation systems such as taps, shower rails, etc.
2. Thoroughly clean and degrease - see page 19

Prior to beginning renovation work, the ground (e.g. wall tiles) must be cleaned and any possible mould or bacteria removed. In general, it is also necessary to renew the existing, flexible grouting between the shower basin and/or bath and the tiled wall.

PROCESSING STEPS

1. Measure the required sheet dimensions on the spot and take the exact measurement of the openings for armatures or any other apertures that may exist. Take into account a 3 mm silicone joint on the edge of the sheets and all openings.
2. Transfer the measurements to the SIBUGLAS structured sheets.
3. Anchor the SIBUGLAS with the aluminium lath and the screw clamps onto the work table for straight cutting and then use a saw with a fine blade. Where necessary, use a keyhole saw for the armatures and drill prior to bonding (please see mechanical further processing). Subsequently deburr the cut edges.
4. Draw the sheet formats on the ground using the marker. This will serve for the positioning of the adhesive application. Our silicone adhesive evens out any slight irregularities in the ground surface.
5. Bonding. Leave a gap of approx. 10 mm between the silicone bead and the edge of the sheet. Maintain a distance of approx. 60 mm between the beads. Bead height of approx. 3-4 mm. As the silicone will not adhere to damp surfaces, the ground must be absolutely dry.
6. Bring the sheet into position and press gently using a cloth. If necessary correct the position and finally press down firmly using a rubber roller.
7. Apply masking tape to the ground in the area of the silicone joints and to the structured sheet.
8. Prior to filling the joints and sealing the openings, read the instructions on the silicone cartridge.
9. Immediately remove the masking tap and any surplus silicone.



MECHANICAL PROCESSING OF SIBUGLAS IN A NON-BONDED CONDITION

GOLDEN RULES

Use high machine speeds, rapid advance and sharp tools!

Wherever possible, heat should constantly be avoided, as this can lead to material tensions.

CUTTING WITH A JIGSAW

Information: jigsaws. Anchor the SIBUGLAS sheet to the work table by means of an aluminium lath and screw clamps.

Cutting should take place at approximately 2,000 strokes/min with rapid advance and no pendulum stroke. Sheet wobble and tilting of the jigsaw (heat generation) should be avoided.

Saw blade. Use a standard jig saw blade with teeth spacing of 1.0-2.0 mm or a Bosch "Clean for PMMA" blade with teeth spacing of 1.8 mm.

CUTTING WITH A HAND-HELD CIRCULAR SAW

Information: hand-held circular saws. Anchor the SIBUGLAS sheet to the work table by means of an aluminium lath and screw clamps. Cut with the hand-held circular saw using rapid advance and maximum rpm. The saw blade must not tilt (heat generation) and sheet wobble is to be avoided.

Saw blade. Use a blade with alternate chamfered teeth at spaces of approx. 10 mm irrespective of the saw blade diameter.

When processing SIBUGLAS sheets mechanically avoid heat by means of well-sharpened tools and rapid advance.

DRILLING

All apertures for armatures, shower rails, etc. and drillings must be completed prior to bonding onto the wall. The apertures and drill holes should be large enough to ensure the avoidance of contact between the SIBUGLAS sheets and the objects to be subsequently installed. Spaces of approx. 2-3 mm should be left all round. All drillings should be slightly countersunk and sharp cut edges broken. Rawl plugs should not be opened in the SIBUGLAS sheet and instead always be firmly anchored in the ground surface. Sharp tools must also be avoided.

The SIBUGLAS sheet should be positioned on a clean and stable wood underlay and then fixed using screw clamps and additional clean protection in the drilling area.

All the apertures in the sheet and the drillings in the wet area should be carefully sealed against moisture using SIBU SILICON 1.4 A. Wherever possible laser working is preferable. For the drill characteristics, please see page 07.



MILLING

Basically, all types of milling machines can be used, from simple hand-held devices to numerically controlled automats. In the case of millings with smaller diameters, a one- or two-edged finger milling cutter with good chip removal should always be utilised.

The choice of cutter is always oriented towards the respective task in hand, but whatever the case the following prerequisites must be fulfilled: free angle: 2° to 10°, rake angle 0° to 5°, cutting speed 200 to 4,500 m/min, advance 0.5 mm/rev.

During the cutting or milling of recesses or openings, the corners of the cut edges should always be pre-drilled. This prevents notch effects and thus the danger of sheet breakage. The drillings should have a diameter of approx. 10 mm. Wherever possible, laser working is preferable.

GROUND SURFACE

Existing tiles, plasterboard and smooth masonry.

ADHESIVE

SIBU SILICON 1.4 A

CLEANING/CARE

Warm water with washing-up liquid or oil-free benzine are suitable cleaning agents. Soiled cloths and abrasive cleaning agents are to be avoided. No razor blades, knives or scrapers should be used with SIBUGLAS AR+, as they can cause scratches and damage the abrasion-resistant coating.

Dry rubbing is to be avoided under all circumstances.

SIBUGLAS sheets may not be cleaned with alcohol or a solvent.

Direct spraying of the SIBUGLAS surfaces with water jets at over 45° C should be avoided.

INCOMPATIBLE SUBSTANCES - SIBUGLAS AR+

In accordance with the surface test for chemical impact pursuant to DIN EN 68 861-1 testing conditions.

During this test no changes were determined. The only exception: red wine, as after 24 hours the surface was slightly matt.



All sheet edges and apertures are to be grouted and fully sealed.

INSTALLATION INSTRUCTIONS

FOR THE WET ROOM AREA

SIBU
DESIGN

SIBU DESIGN GmbH & CoKG
Jupiterstraße 8 / 4452 Ternberg / Austria
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TOOL REQUIREMENTS

Tape measure, spirit level, jigsaw or hand-held circular saw, aluminium lath, screw clamps, battery screwdriver, keyhole saw, scraper, files, cloths, rubber roller, marker, work table, masking tape, ground cleaner, SIBU SILICON 1.4 A, or acetic acid free, neutral cross-linked silicone.

PREPARATIONS

Disassemble the sanitation systems such as taps, shower rails, etc. Measure the required sheet dimensions on the spot and take exact measurement of the openings for armatures or any other apertures that may exist. Then transfer the measurements to the SIBUGLAS structured sheets.



Clean the ground surface / degrease, mark the sheet position on the ground surface, mark vertically.



Cut the sheet to length using a jigsaw or a hand-held circular saw from the reverse side and with an underlay. Please see pages 7 and 18.



Subsequently deburr the cut edges uses fine sandpaper, a file or scraper.



Apply silicone beads with a height of 3-4 mm at a distance of approx. 10 mm from the sheet edge. Leave a gap of approx. 60 cm between the beads.



Bring the sheet into position and press gently with a cloth.



Bring other sheets into position using a spacer (min. 3 mm).



Press down hard with a rubber roller, then remove the SIBUGLAS protective film in the edge area.



Mask the joint area with tape, point the sheet edges and all the apertures, and seal entirely. Smooth the joins using a finger.



Remove any dirt from the silicone immediately and then pull off the protective film.

i To the best of our knowledge, the information provided corresponds with our current know-how and experience. Nonetheless, it is to be regarded as non-binding. The information is based on practical experiences, test results as well as on in-house testing and corresponds to our today's state of knowledge. The right to make changes in the course of technical progress and further developments is retained. The recipient is not released from an obligation to undertake a careful examination of the functions and application possibilities of the product by qualified personnel. This shall also apply with regard to the protective rights of third parties. Detailed information sheets are available on request. No liability is accepted for misprints, norm errors and mistakes.

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