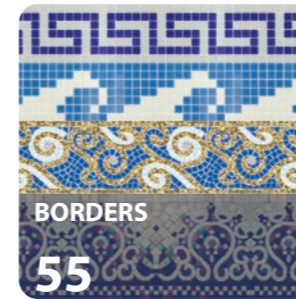
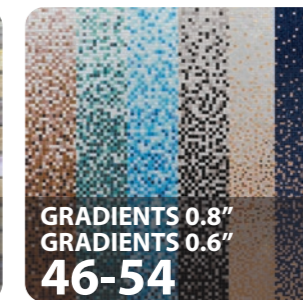
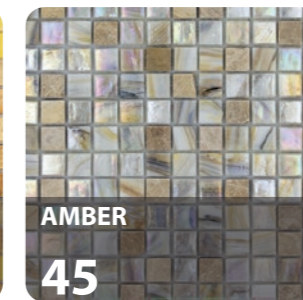
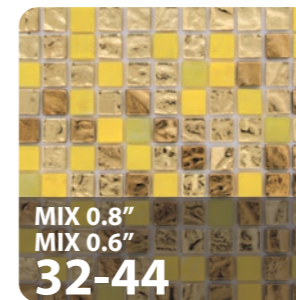
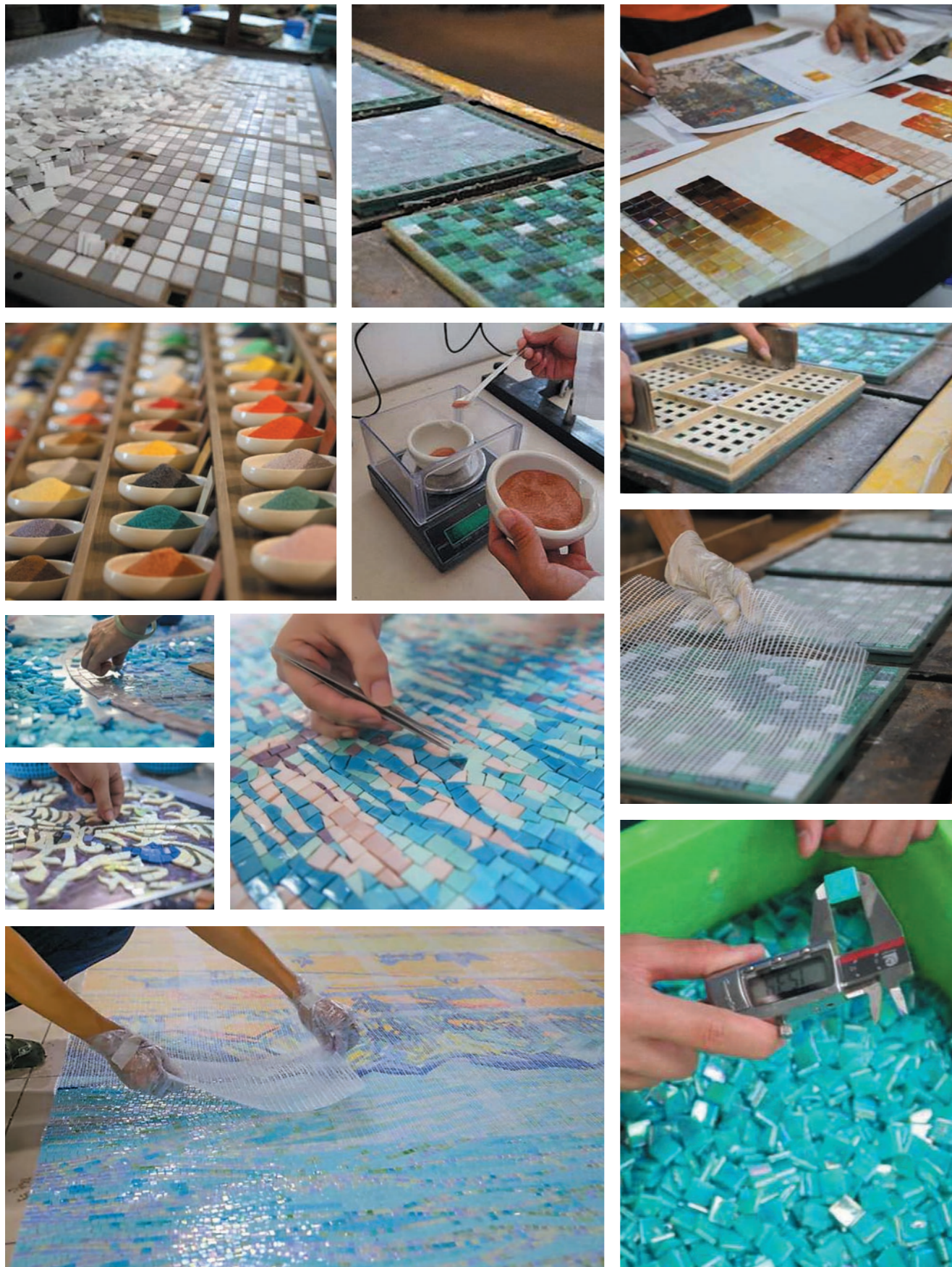




# ALUMNA

**ALMA**



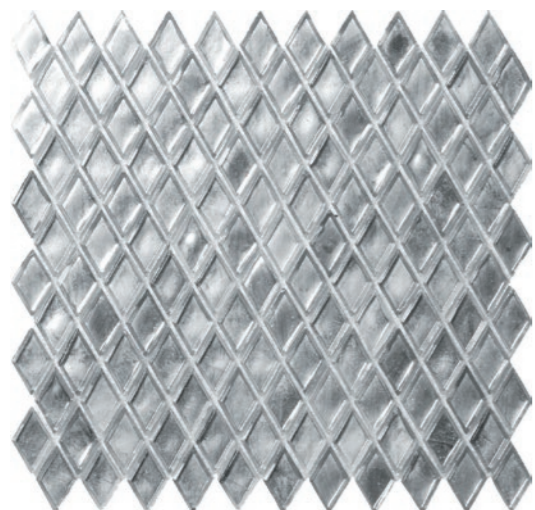


## ALMA

Imagine creating your own glass mosaic masterpiece, your own mural, your own artistic impression... customizing the colors of your glass mosaic mural. Think about having the flexibility to either use our images or yours and to transform your backsplash, pool, shower, or any other area into a true work of art... We can transform your vision into a reality, into a truly customized installation.

MIR Mosaic presents Alma product line, an incredible collection of glass mosaics. Featuring modern trends MIR Mosaic's new collection highlights design and unique styles of mosaics that offer you the luxury and true splendor of mosaic art. The pinnacle of quality is displayed with our glass mosaics. It is the most innovative decorative material that can be used in interior and exterior designs of buildings, bathrooms and even swimming pools. The mosaics in our Alma Collection have an extremely rich color palette, as well as a huge variety of color combinations and hundreds of hues for all your project needs. The Alma Collection also features textured and smooth finishes, gold, monochrome, and aventurine mosaic tiles. The mosaics of Alma Collection are durable, long-lasting, practical and ecologically safe. When using glass mosaics from our Alma Collection it is possible to create an infinite number of compositions, which reflect beauty, richness and elegance.

Back mounted on mesh



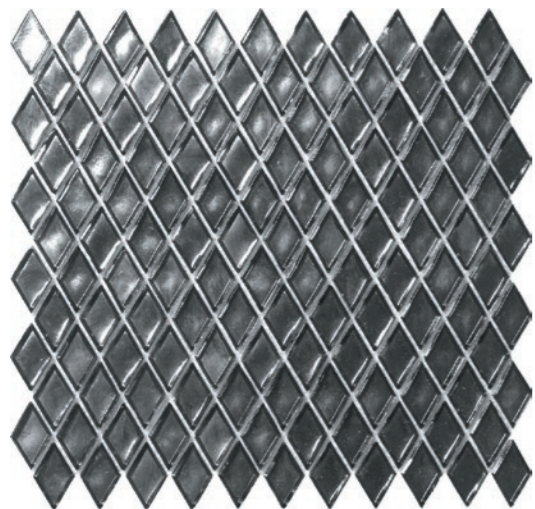
Sheet size 11.4"x10.8" (290x274 mm)  
Thickness 1/4" (6 mm)

DIAMANTE SILVER  
ADI-01



Sheet size 12.6"x12.4" (321x317 mm)  
Thickness 1/4" (6 mm)

TAYLOR PEARL  
ARS-02



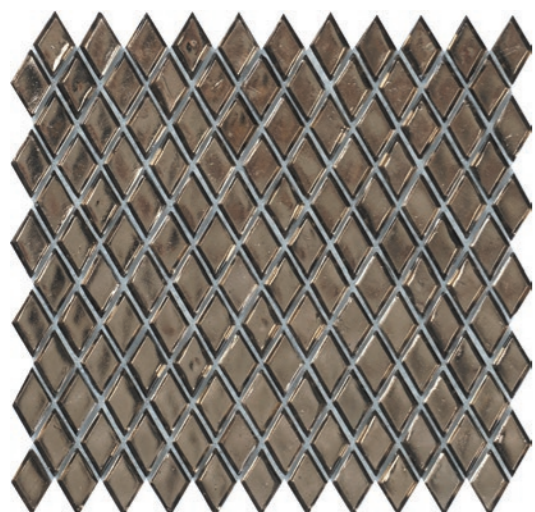
Sheet size 11.4"x10.8" (290x274 mm)  
Thickness 1/4" (6 mm)

DIAMANTE GREY  
ADI-02



Sheet size 12.6"x12.4" (321x317 mm)  
Thickness 1/4" (6 mm)

TAYLOR MOONSTONE  
ARS-01



Sheet size 11.4"x10.8" (290x274 mm)  
Thickness 1/4" (6 mm)

DIAMANTE GOLD  
ADI-03

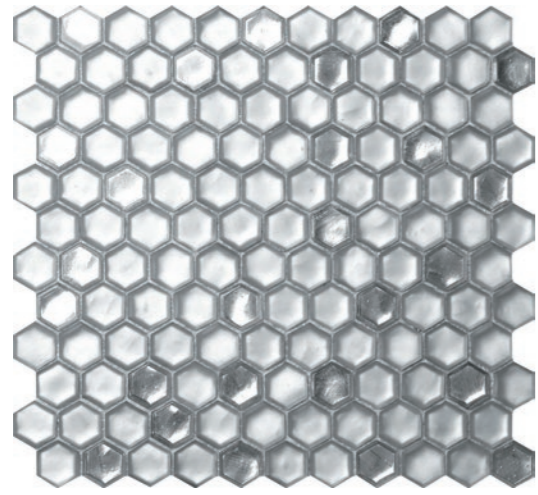


Sheet size 12.6"x12.4" (321x317 mm)  
Thickness 1/4" (6 mm)

TAYLOR MOONDUST  
ARS-03

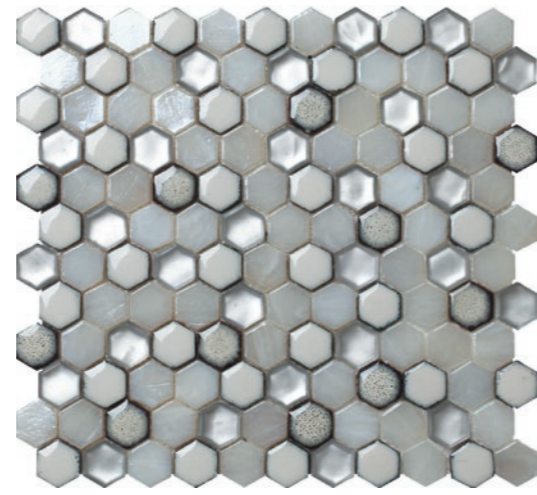


ADI-01



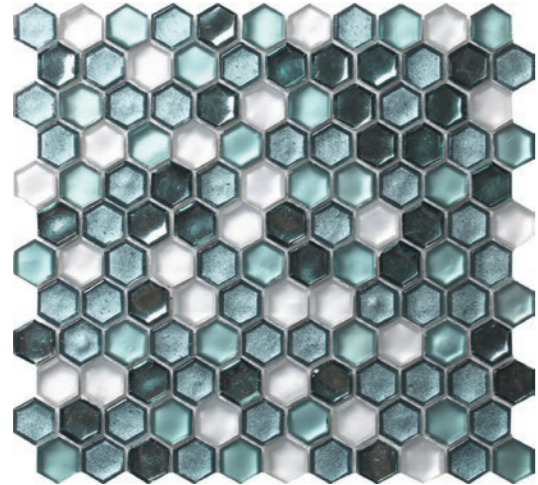
Sheet size 10.8"x11.5" (275x292 mm)  
Thickness 1/4" (6 mm)

CORDOBA SILVER  
AHX-01



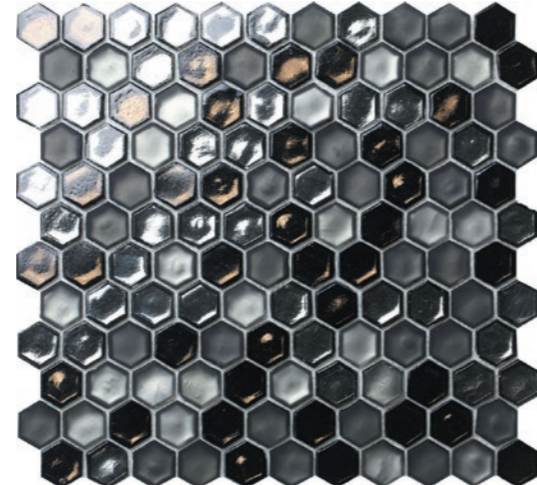
Sheet size 10.8"x11.5" (275x292 mm)  
Thickness 1/4" (6 mm)

CORDOBA PEARL  
AHX-03



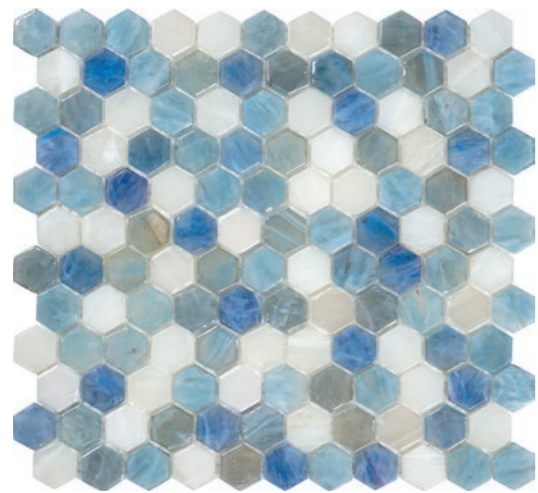
Sheet size 10.8"x11.5" (275x292 mm)  
Thickness 1/4" (6 mm)

CORDOBA EMERALD  
AHX-04



Sheet size 10.8"x11.5" (275x292 mm)  
Thickness 1/4" (6 mm)

CORDOBA GREY  
AHX-02



Sheet size 10.8"x11.5" (275x292 mm)  
Thickness 1/4" (6 mm)

CORDOBA MOONSTONE  
AHX-05



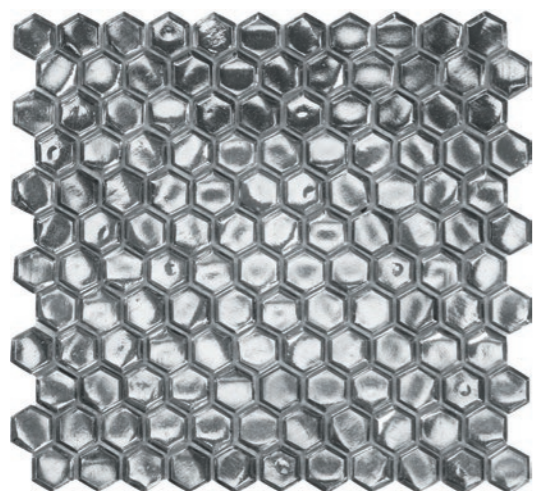
Sheet size 10.8"x10.8" (276x274 mm)  
Thickness 1/4" (6 mm)

CAMILA  
ATR-01



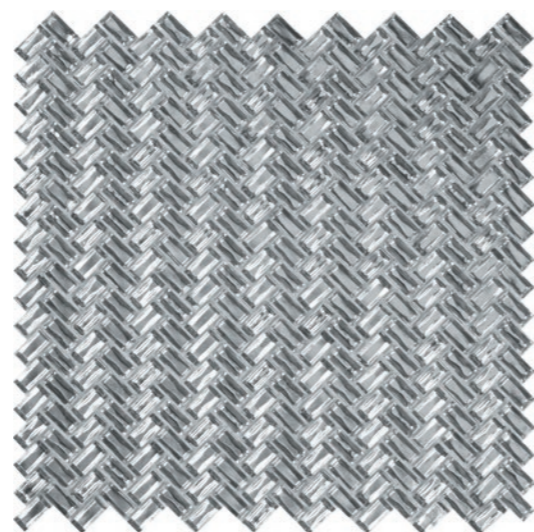
AHX-01

Back mounted on mesh



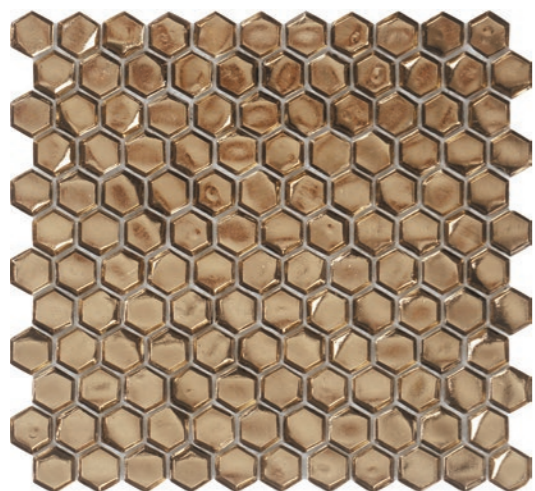
Sheet size 10.8"x11.5" (275x292 mm)  
Thickness 1/4" (6 mm)

CORDOBA PLATINUM  
AHX-07



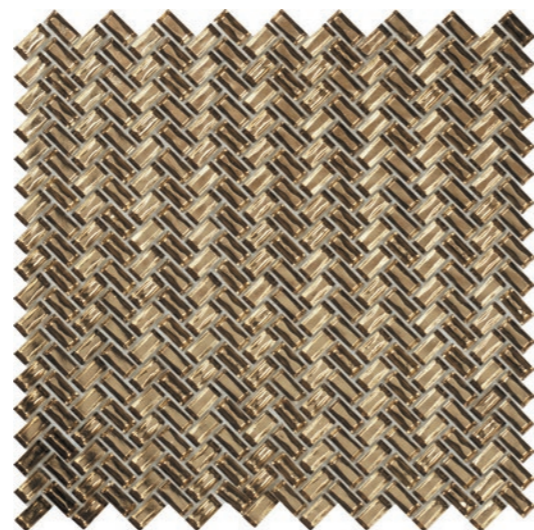
Sheet size 11.8"x11.9" (303x300 mm)  
Thickness 1/4" (6 mm)

ESPIGA SILVER  
AHB-05



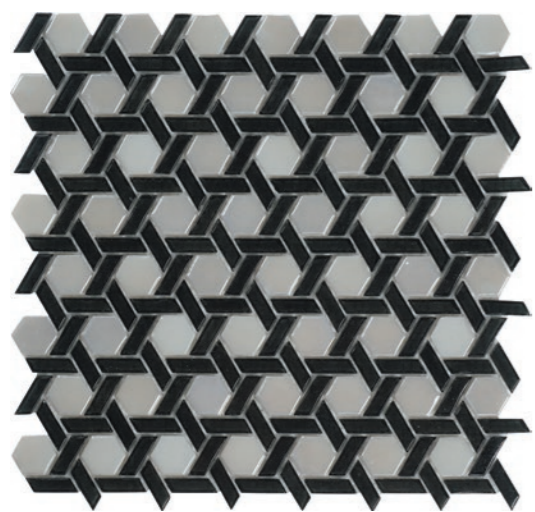
Sheet size 10.8"x11.5" (275x292 mm)  
Thickness 1/4" (6 mm)

CORDOBA GOLD  
AHX-08



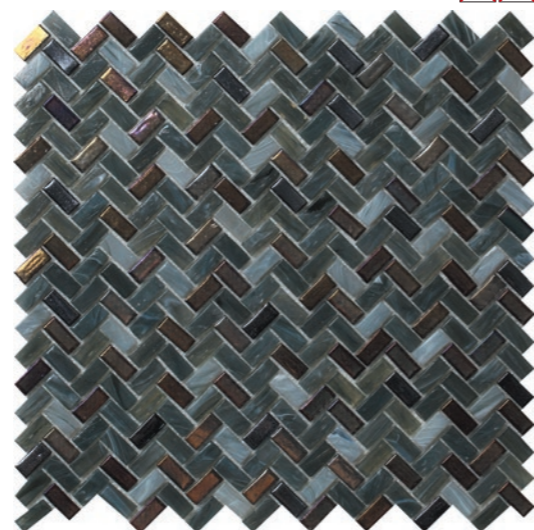
Sheet size 11.8"x11.9" (303x300 mm)  
Thickness 1/4" (6 mm)

ESPIGA GOLD  
AHB-06



Sheet size 11.7"x11.9" (297x302 mm)  
Thickness 1/4" (6 mm)

WEAVE DARK  
AHX-23

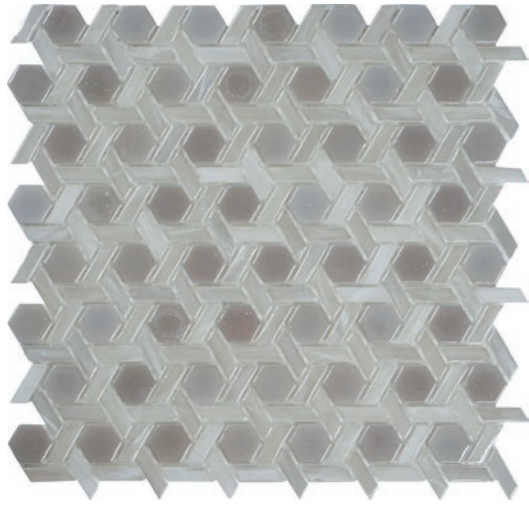


Sheet size 11.8"x11.9" (303x300 mm)  
Thickness 1/4" (6 mm)

ESPIGA DARK  
AHB-04



AHX-23



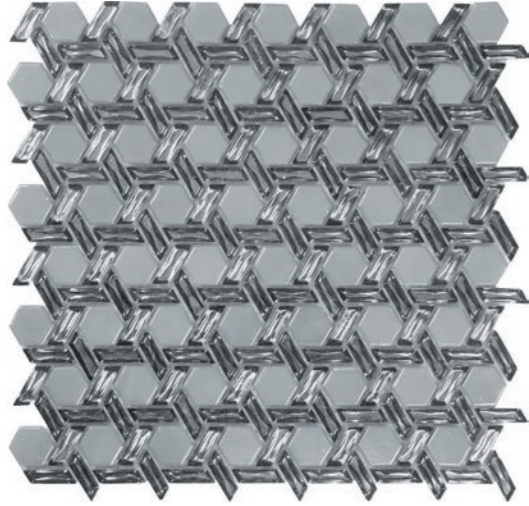
Sheet size 11.7"x11.9" (297x302 mm)  
Thickness 1/4" (6 mm)

WEAVE PEARL  
AHX-20



Sheet size 11.8"x11.9" (303x300 mm)  
Thickness 1/4" (6 mm)

ESPIGA PEARL  
AHB-01



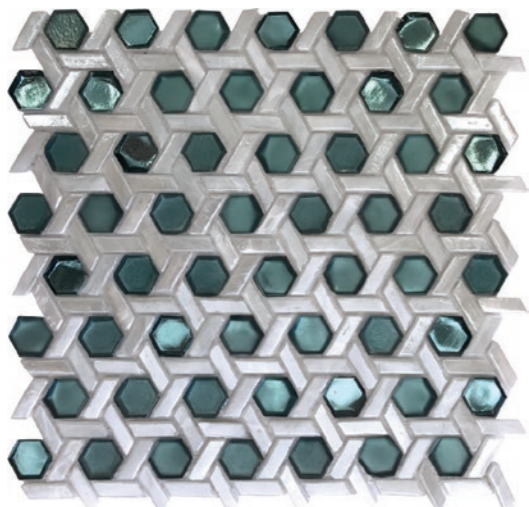
Sheet size 11.7"x11.9" (297x302 mm)  
Thickness 1/4" (6 mm)

WEAVE SILVER  
AHX-21



Sheet size 11.8"x11.9" (303x300 mm)  
Thickness 1/4" (6 mm)

ESPIGA AIR  
AHB-03



Sheet size 11.7"x11.9" (297x302 mm)  
Thickness 1/4" (6 mm)

WEAVE EMERALD  
AHX-22

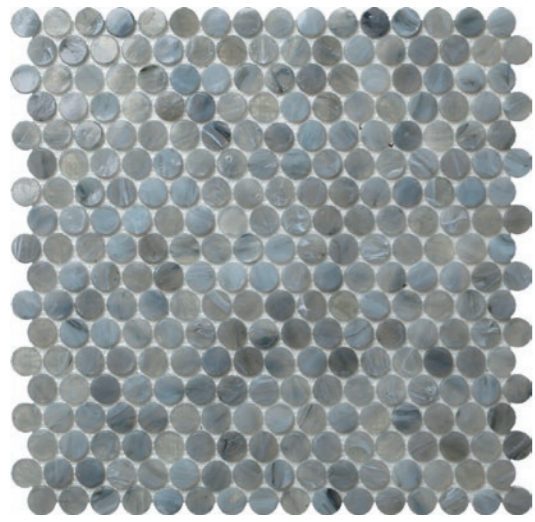


Sheet size 11.8"x11.9" (303x300 mm)  
Thickness 1/4" (6 mm)

ESPIGA GREY  
AHB-02

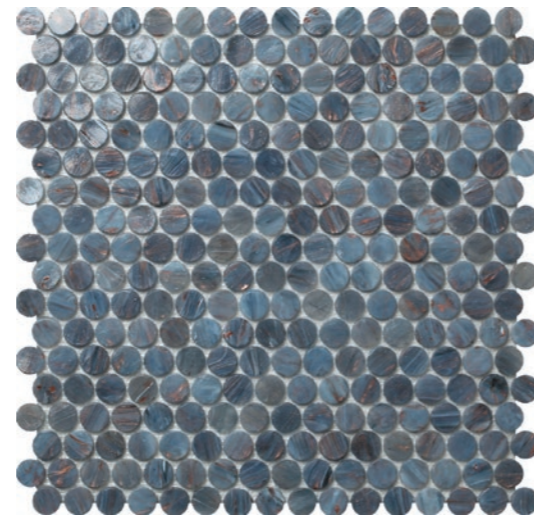


AHX-20



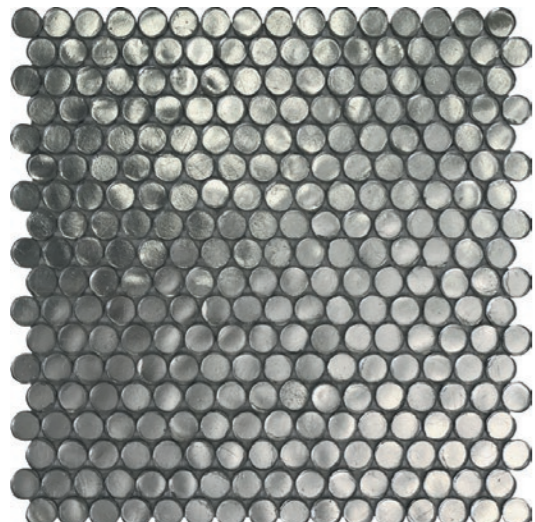
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Thickness 1/4" (4 mm)

RONDA SHADOW  
APN-01



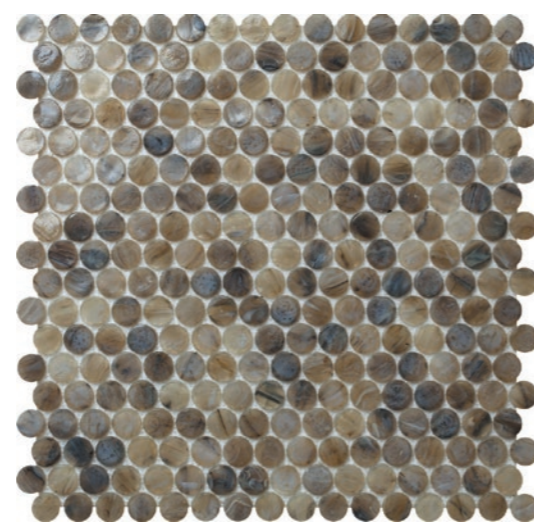
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Thickness 1/4" (4 mm)

RONDA DENIM  
APN-03



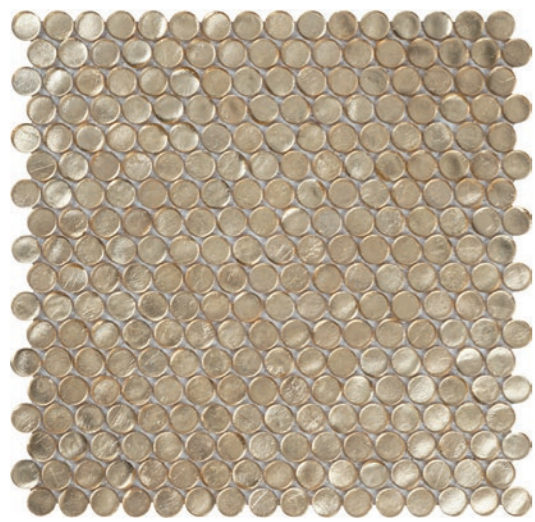
Sheet size 12.2"x12.2" (310x310 mm)  
Thickness 5/32" (4 mm)

RONDA SILVER  
APN-04



Sheet size 12.2"x12.2" (310x310 mm)  
Thickness 1/4" (4 mm)

RONDA MINK  
APN-02



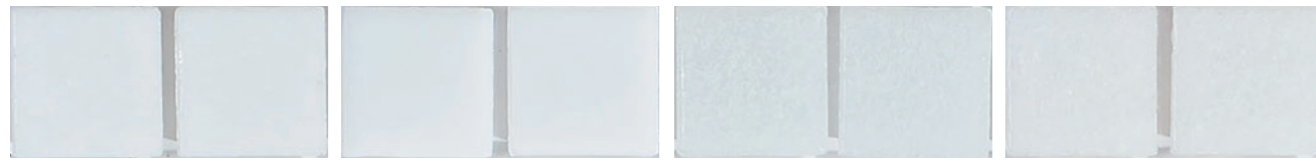
Sheet size 12.2"x12.2" (310x310 mm)  
Thickness 5/32" (4 mm)

RONDA GOLD  
APN-05

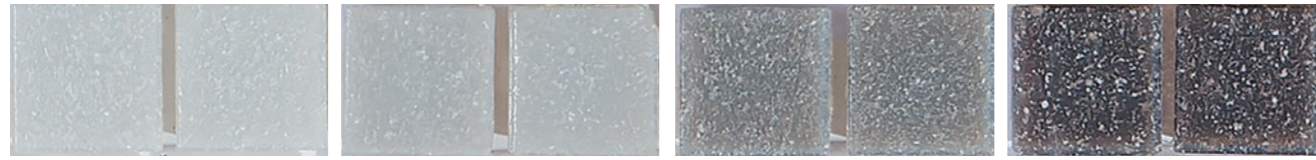


APN-05





SA-WH101 (SE08) SA-WH102 (SBN108) SA-WH103 (SB10) SA-WH104 (SE09)



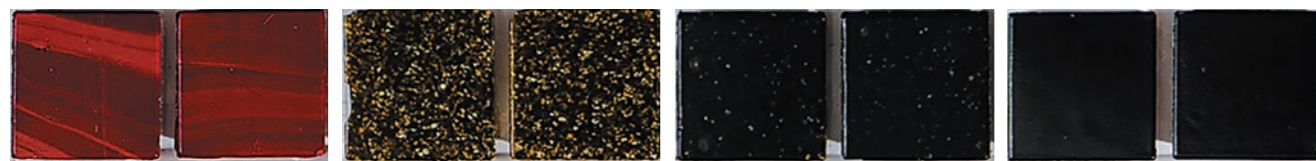
SA-GR701 (SE12) SA-GR702 (SE14) SA-GR703 (SE16) SA-GR704 (SE17-2)



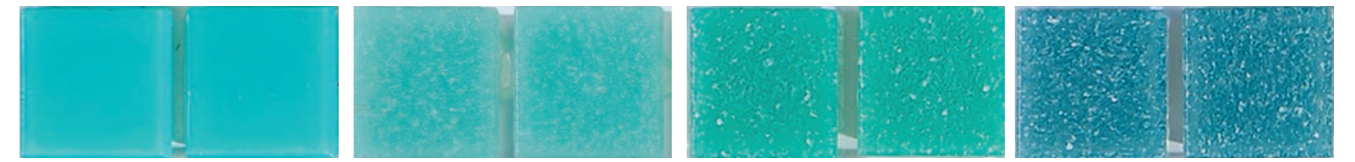
SA-YL301 (SN198) SA-YL302 (SE98) SA-OR801 (SN286) SA-OR803 (SN206)



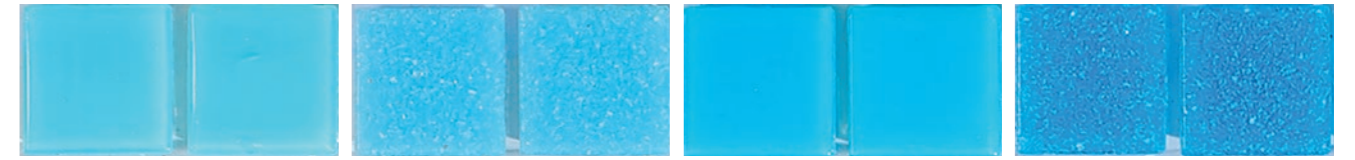
SA-RD201 (SE102) SA-RD202 (SN306) SA-RD203 (SE103) SA-RD206 (SN64-2)



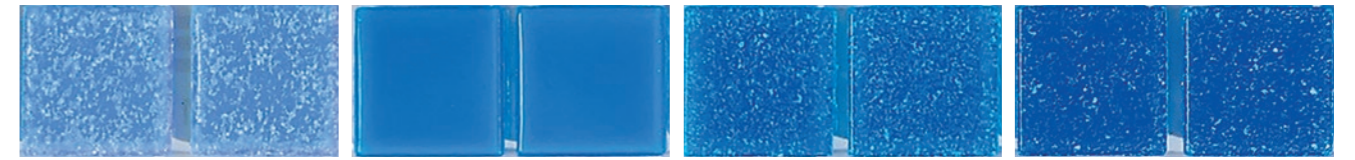
SA-RD207 (SE416) SA-BR601 (SE43) SA-BR602 (SE46) SA-BK901 (SE56)



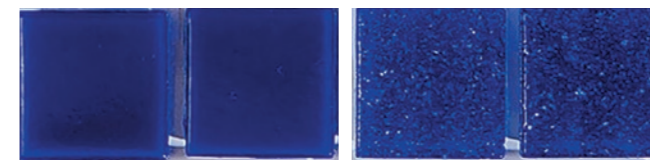
SA-GN401 (SBN418) SA-GN402 (SE69-2) SA-GN403 (SE70) SA-GN404 (SE59)



SA-BL501 (SBN309) SA-BL502 (SE19) SA-BL503 (SBN310) SA-BL504 (SE21)



SA-BL509 (SE24-2) SA-BL505 (SBN312) SA-BL506 (SE22) SA-BL507 (SE23)

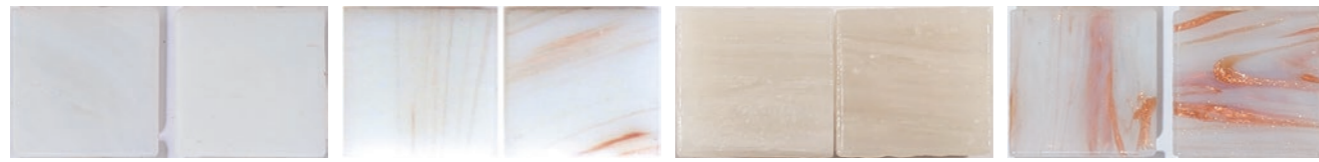


SA-BL510 (SBN17) SA-BL508 (SE27)



SA-BG303 (SB37) SA-GN405 (SE28-2) SA-GN406 (SE30-2)





ST-WH107 (STB109)

ST-WH108 (STN17-2)

ST-BG306 (STM19)

ST-WH109 (STN18-2)

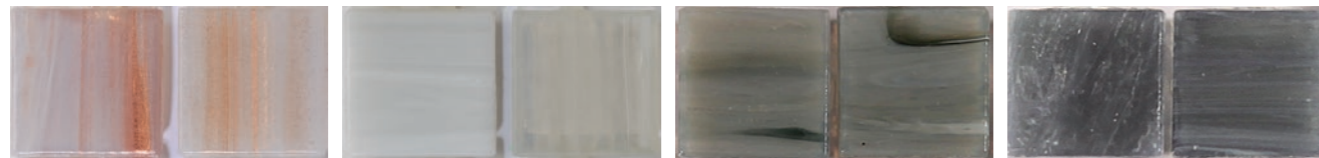


ST-WH117 (STM01)

ST-GN443 (STM33)

ST-BL577 (STE310)

ST-BL576 (STE356)

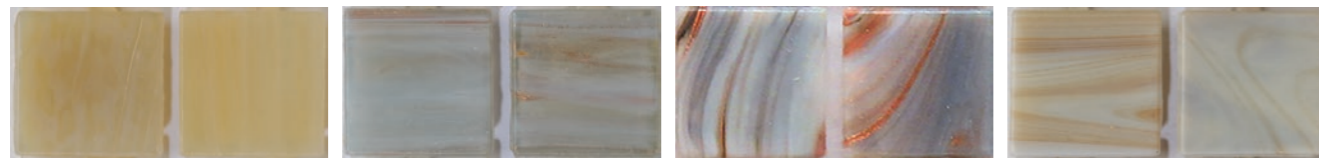


ST-BG305 (STE19)

ST-GR706 (STN444)

ST-GR707 (STN137)

ST-GR708 (STM02)

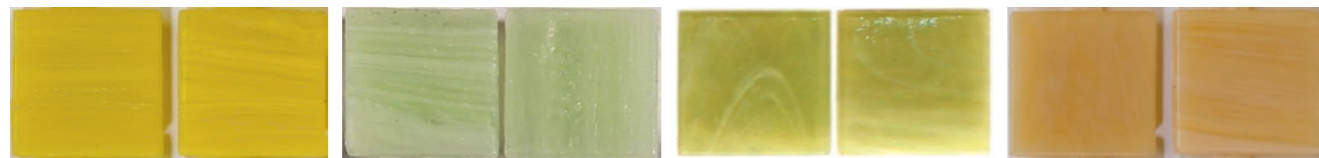


ST-BG309 (STN620)

ST-GR723 (STE163)

ST-GR724 (STE358)

ST-BG308 (STN388)

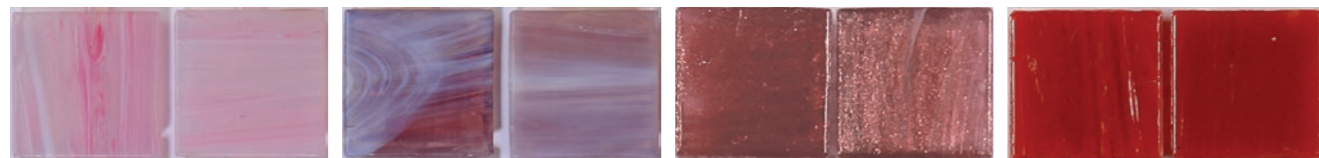


ST-YL307 (STM18)

ST-GN409 (STM44)

ST-GN410 (STN682-2)

ST-BG310 (STN621)

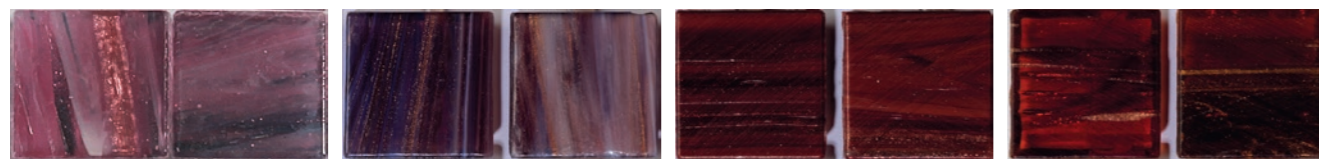


ST-RD211 (STN708)

ST-RD212 (STN433)

ST-RD213 (STE11)

ST-RD214 (STM17)

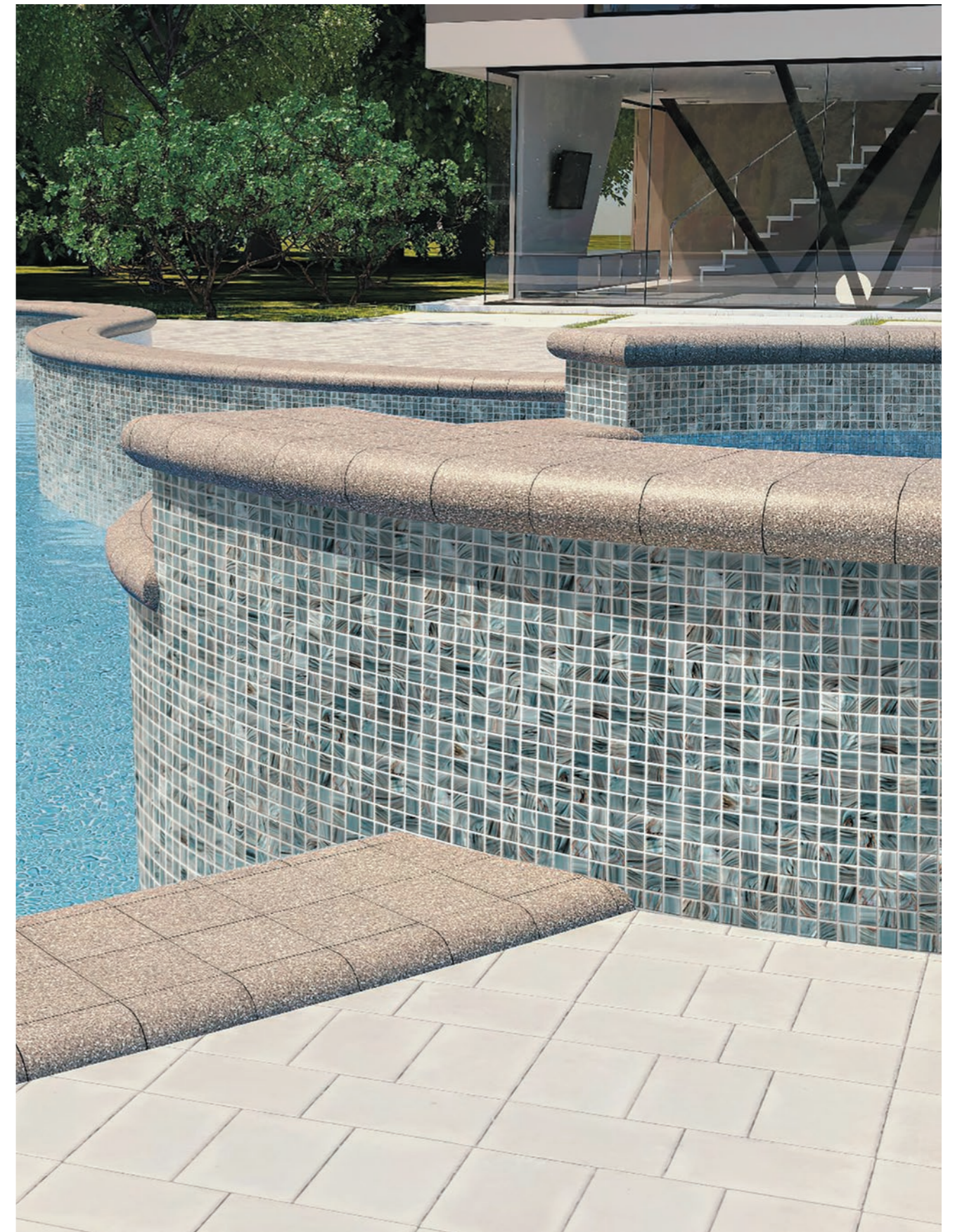


ST-RD215 (STE95)

ST-RD216 (STN532)

ST-RD217 (STE283)

ST-PK218 (STN706)



ST-GR724 (STE358)



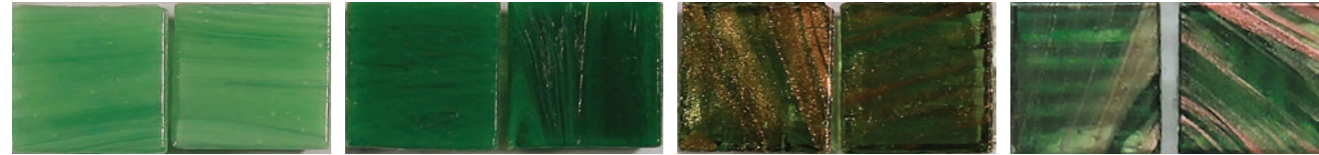


ST-BL517 (STM21)

ST-BL518 (STB308)

ST-GN412 (STM38)

ST-GN413 (STM08)

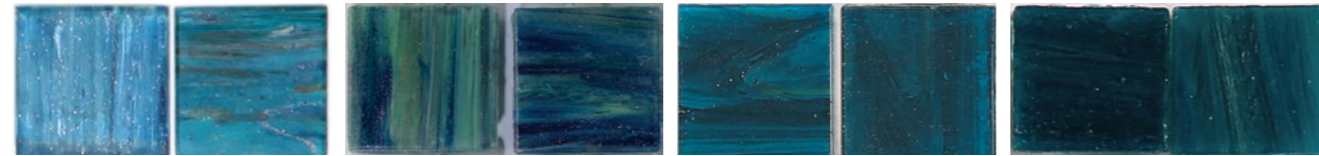


ST-GN414 (STM10)

ST-GN415 (STM11)

ST-GN416 (STE80)

ST-GN417 (STE328)

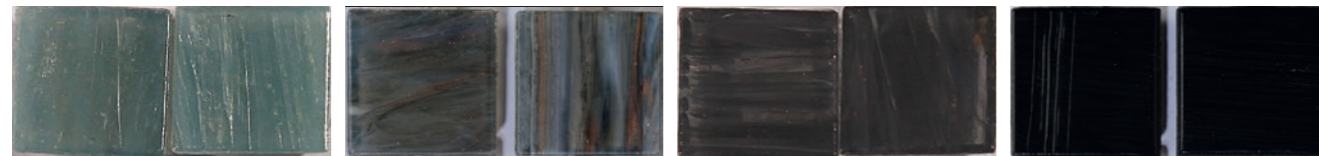


ST-GN418 (STN57)

ST-GN419 (STE173)

ST-GN420 (STE57)

ST-GN421 (STM09)

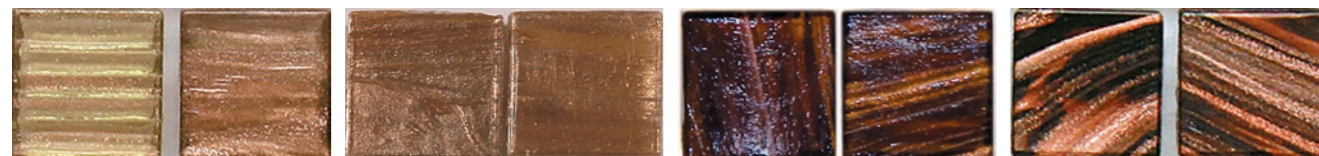


ST-GR709 (STM24)

ST-GR710 (STE166)

ST-GR711 (STM36)

ST-BK904 (STB507)

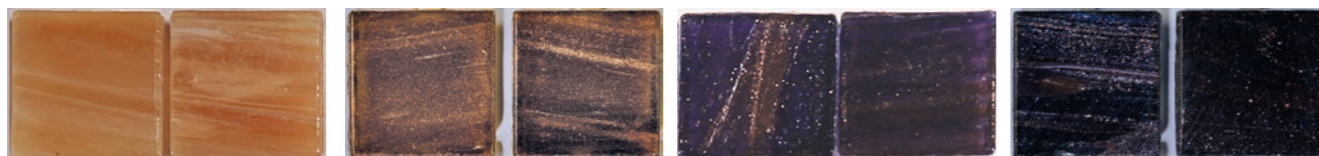


ST-BR615 (STE332)

ST-BR603 (STE110)

ST-BR604 (STN50-2)

ST-BR605 (STE348)

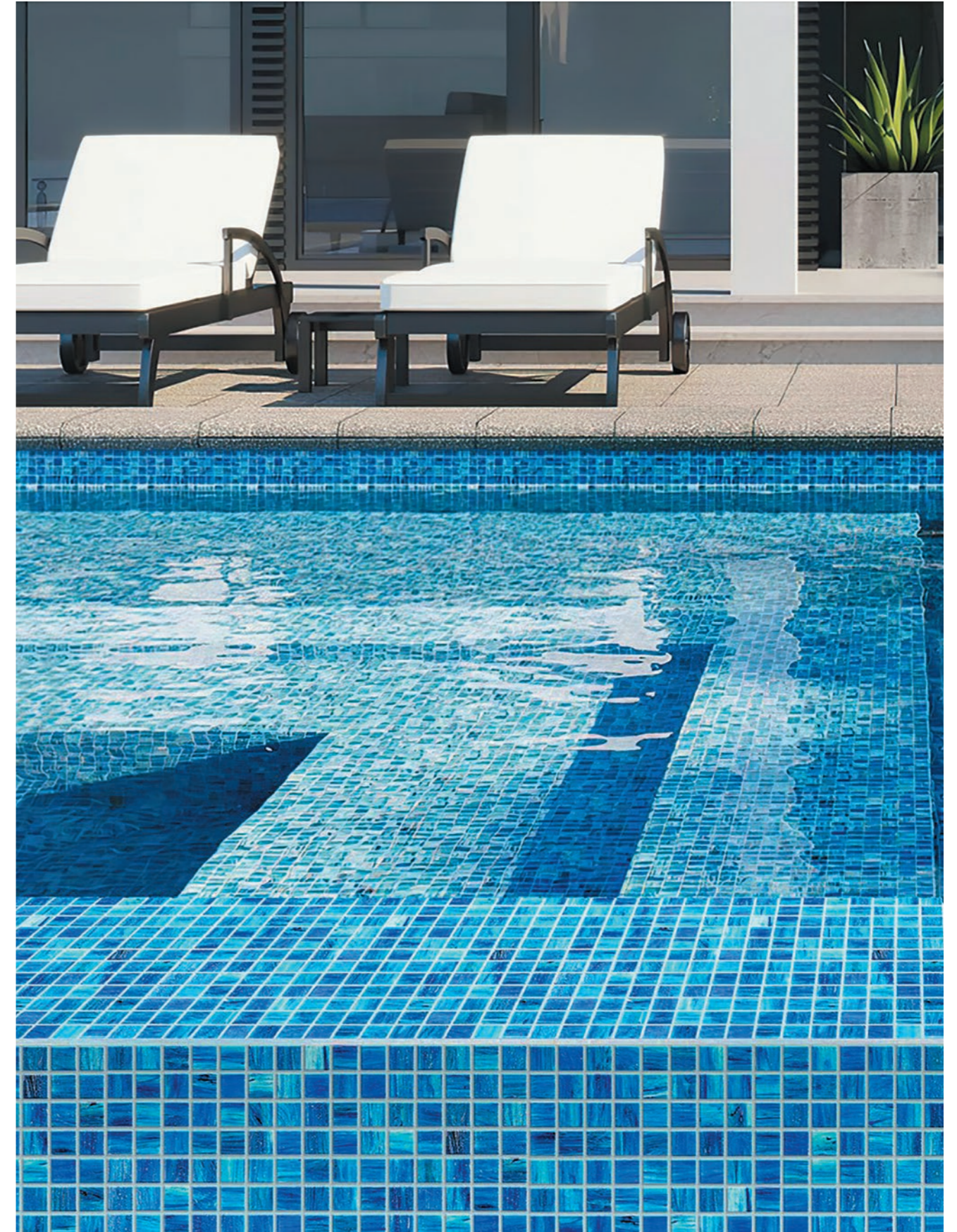


ST-BG311 (STM32)

ST-BR607 (STE143)

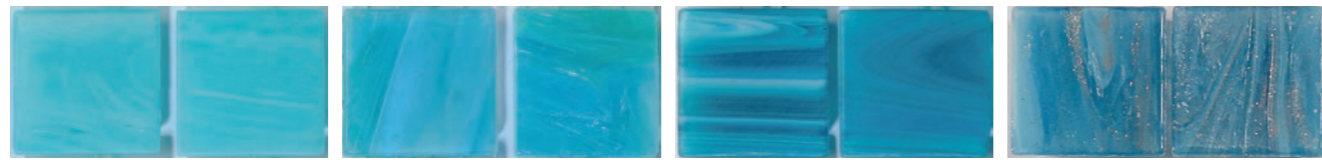
ST-BL519 (STE53)

ST-BK905 (STN753)



ST-GN418 (STN57)

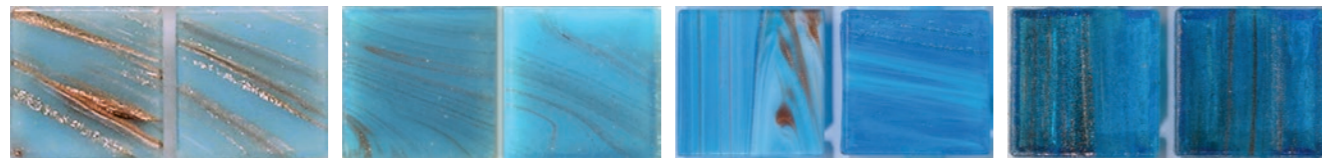




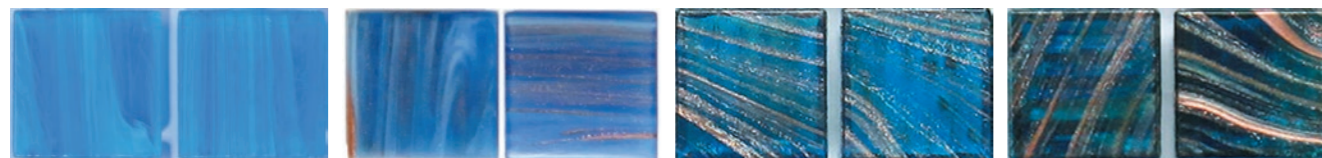
ST-BL521 (STN449) ST-BL522 (STM248) ST-BL523 (STN464) ST-BL524 (STE50)



ST-BL525 (STE117) ST-BL526 (STN530-2) ST-BL527 (STN430) ST-BL528 (STM04)



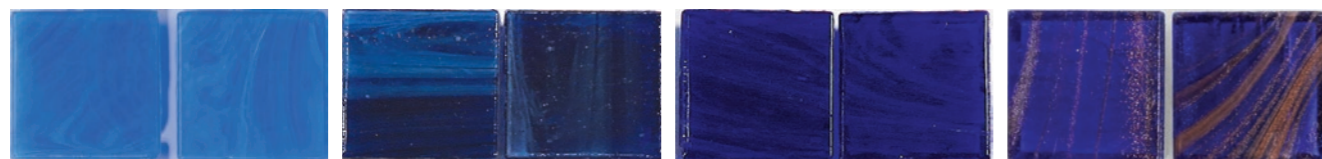
ST-BL529 (STE312) ST-BL530 (STE316) ST-BL534 (STN557) ST-BL532 (STE169)



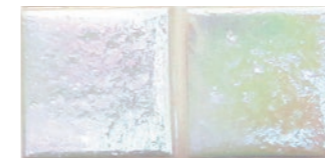
ST-BL533 (STN457) ST-BL537 (STN556-2) ST-BL535 (STE362) ST-BL536 (STE368)



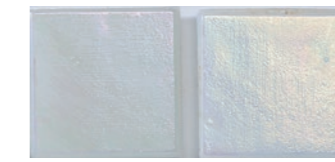
ST-BL539 (STM22) ST-BL540 (STN964) ST-BL541 (STM06) ST-BL538 (STM05)



ST-BL531 (STB321) ST-BL542 (STE59) ST-BL543 (STM07) ST-BL544 (STE30)



PE-WH105 (PB01)



PE-WH106 (PE09)



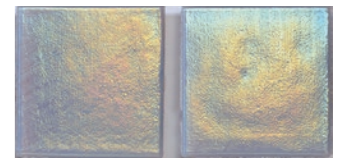
PE-BG304 (PE37)



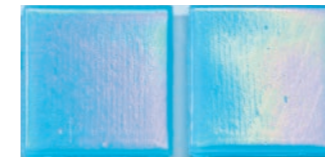
PE-GN407 (PB429)



PE-BL511 (PE20)



PE-RD209 (PE49)



PE-BL513 (PB309)



PE-BL514 (PE18)



PE-BL515 (PE19)



PE-BL512 (PB308)



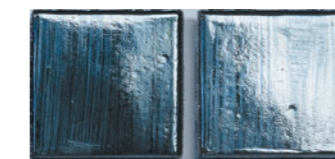
PE-BL516 (PE124)



PE-BK903 (PE155)



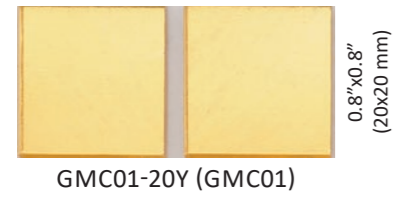
PE-PK210 (PN609-2)



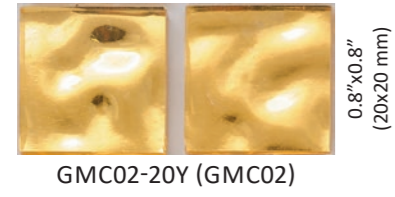
PE-BK902 (PB507)



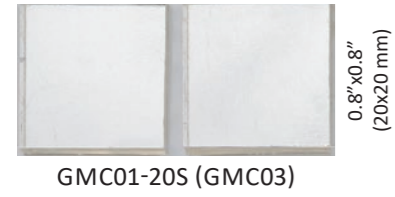
Chip size 0.8"x0.8" (20x20 mm) Sheet size 12"x12" (305x305 mm), Chip size 0.6"x0.6" (15x15 mm) Sheet size 11.6"x11.6" (295x295 mm),  
Chip size 0.4"x0.4" (10x10 mm) Sheet size 12.5"x12.5" (318x318 mm) Paper face mounted



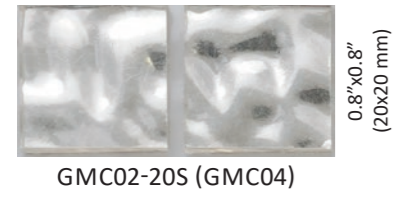
GMC01-20Y (GMC01)



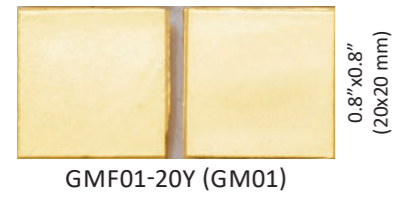
GMC02-20Y (GMC02)



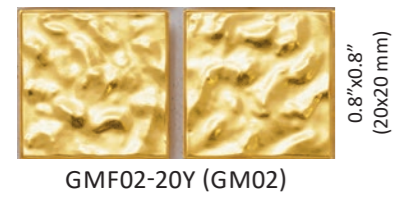
GMC01-20S (GMC03)



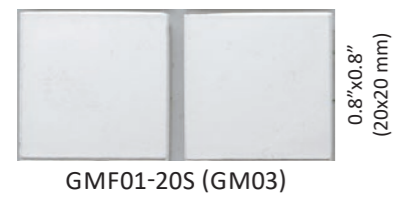
GMC02-20S (GMC04)



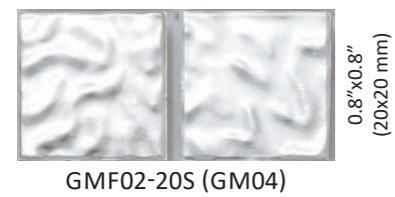
GMF01-20Y (GM01)



GMF02-20Y (GM02)



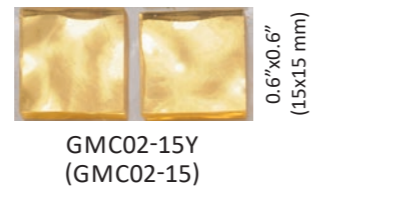
GMF01-20S (GM03)



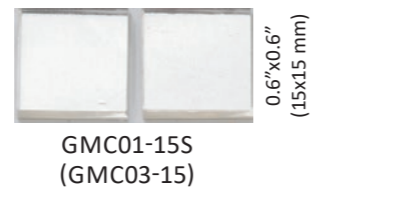
GMF02-20S (GM04)



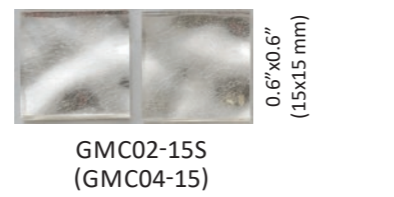
GMC01-15Y (GMC01-15)



GMC02-15Y (GMC02-15)



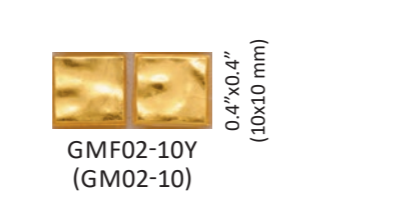
GMC01-15S (GMC03-15)



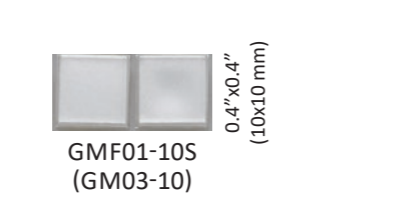
GMC02-15S (GMC04-15)



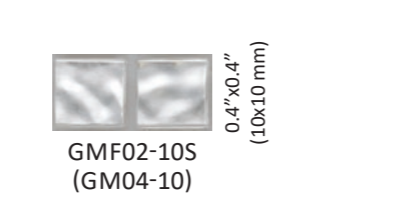
GMF01-10Y (GM01-10)



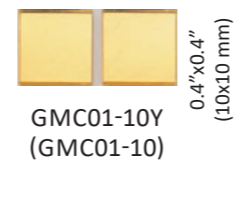
GMF02-10Y (GM02-10)



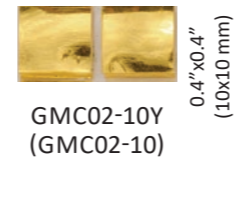
GMF01-10S (GM03-10)



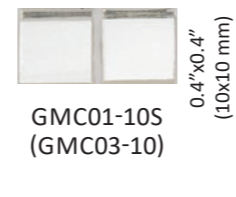
GMF02-10S (GM04-10)



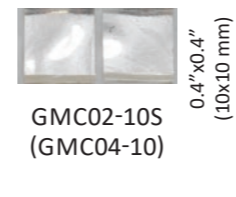
GMC01-10Y (GMC01-10)



GMC02-10Y (GMC02-10)

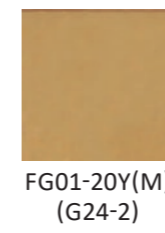


GMC01-10S (GMC03-10)



GMC02-10S (GMC04-10)

Chip size 0.8"x0.8" (20x20 mm) Sheet size 12"x12" (305x305 mm),  
Chip size 0.6"x0.6" (15x15 mm) Sheet size 11.6"x11.6" (295x295 mm) Back mounted on mesh



FG01-20Y(M) (G24-2)



FG02-20Y(M) (G22-2)



FG01-20S(M) (S25-2)



FG02-20S(M) (S23-2)



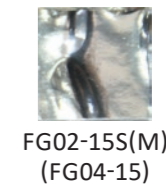
FG01-15Y(M) (FG01-15)



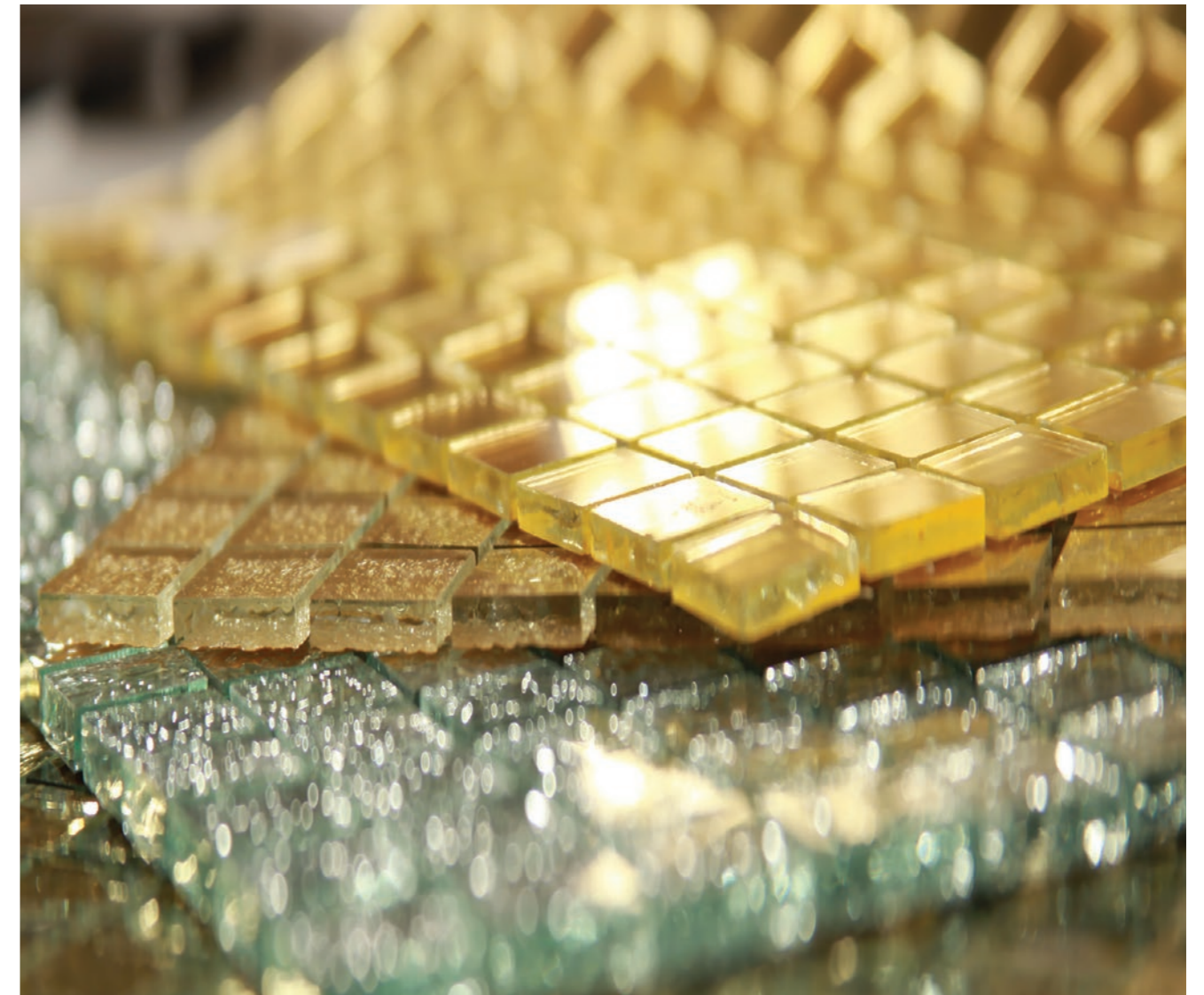
FG02-15Y(M) (FG02-15)



FG01-15S(M) (FG03-15)



FG02-15S(M) (FG04-15)





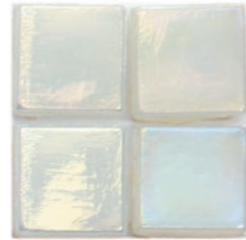
NB-WH110 (NW10)



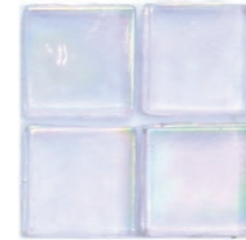
NB-WH111 (NN19)



NB-WH112 (NA109)



NB-WH113 (NE09)



NB-RD221 (NM38)



NB-PK222 (NN45)



NB-RD223 (MN427)



NB-RD224 (NC0608)



NB-WH114 (N017)



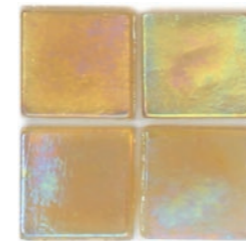
NB-WH115 (MN109)



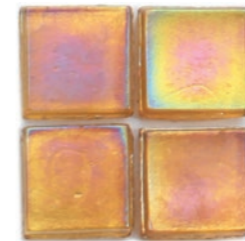
NB-WH116 (NE08)



NB-GR712 (MN444)



NB-BG316 (NE39)



NB-BG317 (NE43)



NB-BG318 (MN621)



NB-BG319 (NT42)



NB-GR713 (NC0208)



NB-GR714 (NC0211)



NB-GR715 (NC0212)



NB-BK906 (NE56)



NB-YL320 (NC0709)



NB-OR804 (NC0818)



NB-OR805 (ND100)



NB-OR807 (NC0908)



NB-BG313 (NM40)



NB-BG314 (NA90)



NB-BG315 (NE92)



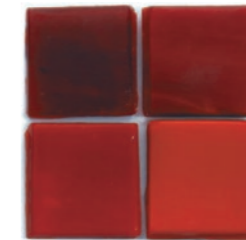
NB-BG312 (BS40)



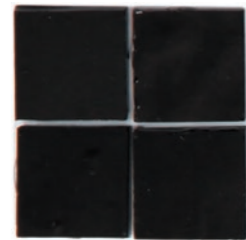
NB-OR806 (NB0821)



NB-RD229 (B99)



NB-RD230 (N106)



NB-BK907 (SM31)



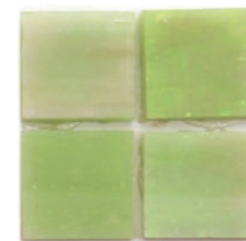
NB-PK225 (NG089)



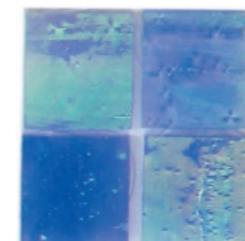
NB-PK226 (NG42)



NB-PK227 (BN44)



NB-GN445 (SM17)



NB-BL578 (SM39)





NB-BG321 (ME19)



NB-BG323 (NC0510)



NB-BG324 (MN388)



NB-GR722 (NG04)



NB-GN422 (NE28)



NB-GN423 (NE18)



NB-GN424 (NG14)



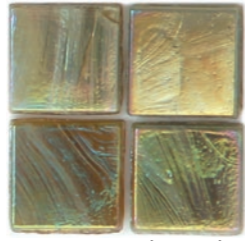
NB-GN425 (NA69)



NB-BG325 (ND38)



NB-BR608 (N50-2)



NB-BR609 (ND14)



NB-BR610 (MN647)



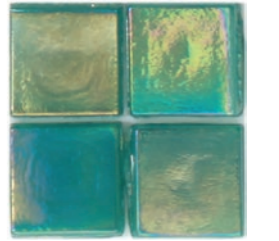
NB-GN426 (NA68)



NB-GN427 (NE69)



NB-GN428 (NE29)



NB-GN429 (NE33)



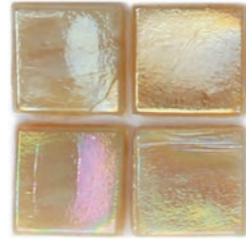
NB-BG326 (ND39)



NB-BG331 (MN620)



NB-BG327 (ND40)



NB-BG328 (NB0509)



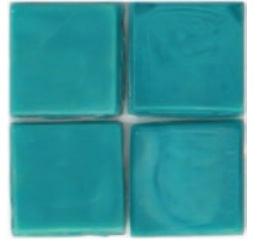
NB-GN430 (MN449)



NB-GN431 (BN16)



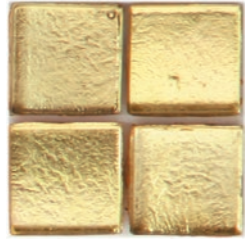
NB-GN432 (NA72)



NB-GN433 (NA73)



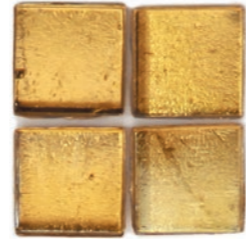
NB-BG329 (NE40)



NB-YL332 (B65)



NB-BR613 (BN86)



NB-BR612 (B49)



NB-BL546 (NA59)



NB-BL547 (NE19)



NB-GN434 (NE31)



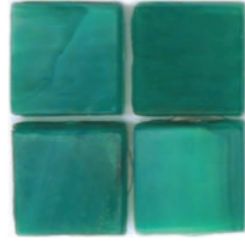
NB-BL548 (N008)



NB-YL333 (B40)



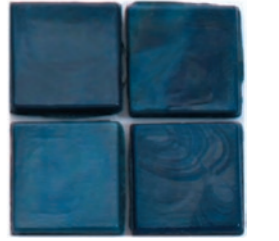
NB-BL549 (MN464)



NB-GN435 (MN659)



NB-GN436 (NA76)



NB-BL550 (NC0312)





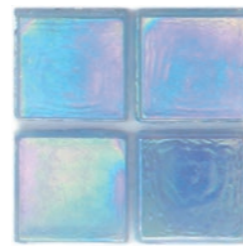
NB-BL551 (N071)



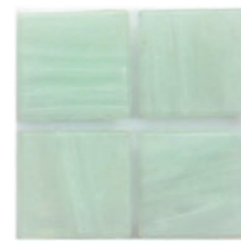
NB-BL552 (NC0318)



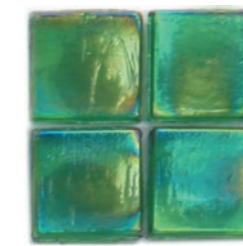
NB-BL553 (NC0319)



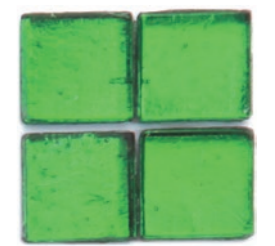
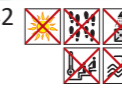
NB-BL554 (NE20)



NB-GN441 (ME33)



NB-GN442 (NG26)



NB-GN440 (BN26)



NB-BL555 (NE22)



NB-BL556 (NE24)



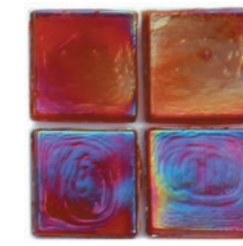
NB-BL560 (NE25)



NB-BL566 (NM026)



NB-GR725 (B63)



NB-RD232 (NG199)



NB-BL569 (NE55)



NB-BL561 (NC0310)



NB-BL562 (NC0320)



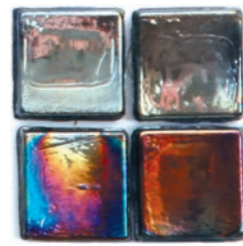
NB-BL570 (N068)



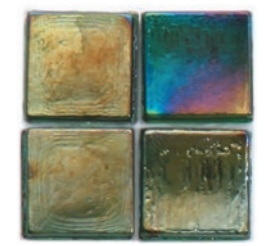
NB-BL571 (NE26)



NB-RD233 (NE53)



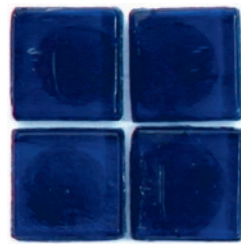
NB-BL572 (NE54)



NB-GN437 (NE35)



NB-BL563 (NW26)



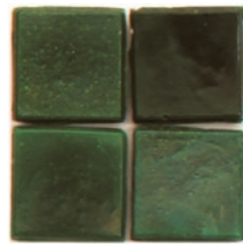
NB-BL564 (NW27)



NB-BL565 (NE27)



NB-BR614 (N51)



NB-GN439 (N077)







2ST-GR726



MIX48-GR731



2ST-BL546



2ST-BL547



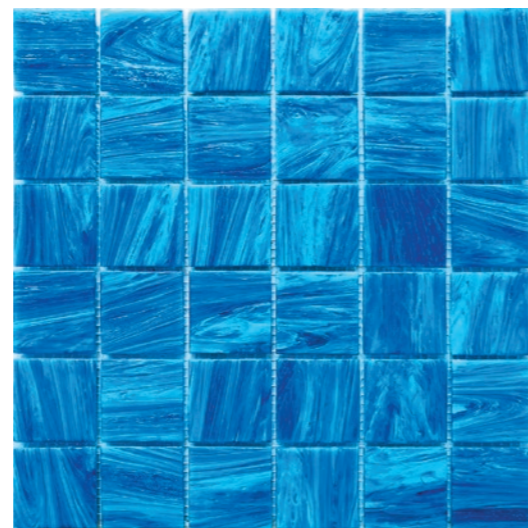
2ST-GR727



MIX48-BL593



2ST-BL545



2ST-BL548

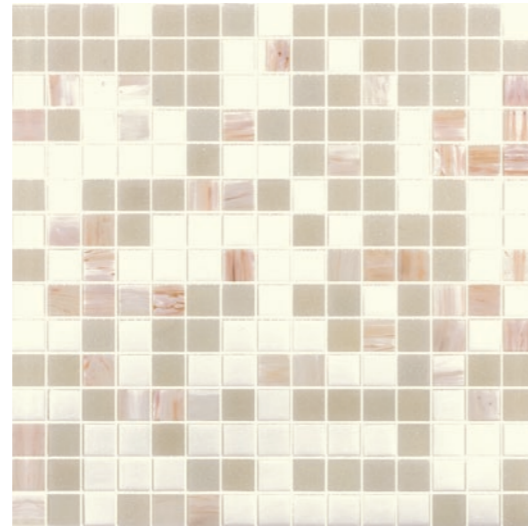


MIX48-BL593

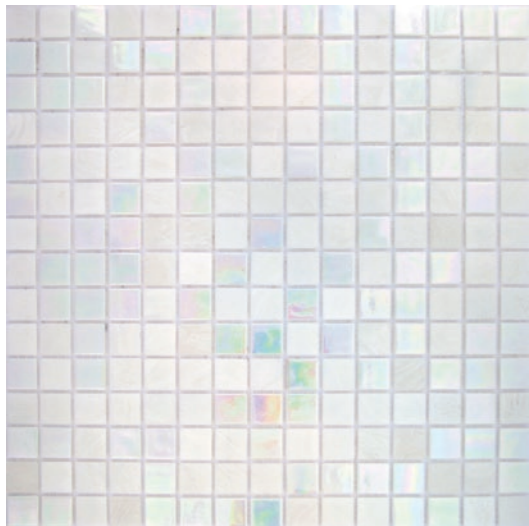




MIX20-WH123 SNOW (CN/236-2)



MIX20-WH121 GENEVE (CN/223)



MIX20-WH124 FROST (CN/617-2)



MIX20-WH122 LATTE (CN/230)



MIX20-BG343 ANNA (CNS/605-2)

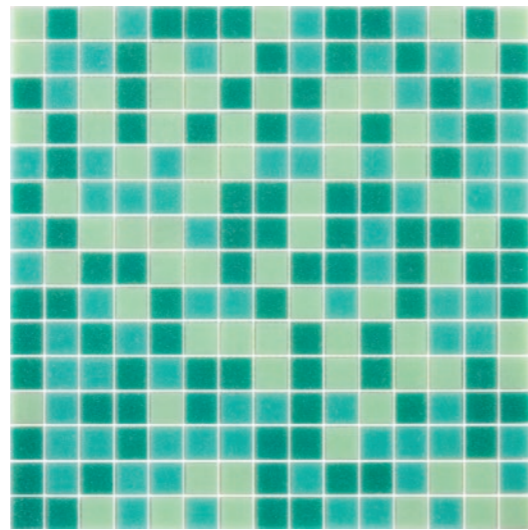


MIX20-WH122 LATTE (CN/230)

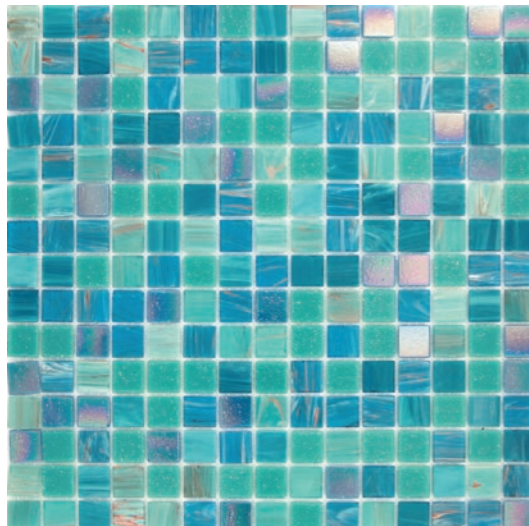




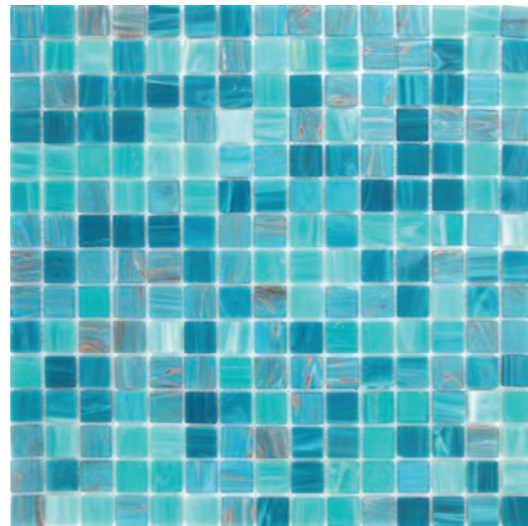
MIX20-GN455 VANESSA GMF (VANESSA(GMC))



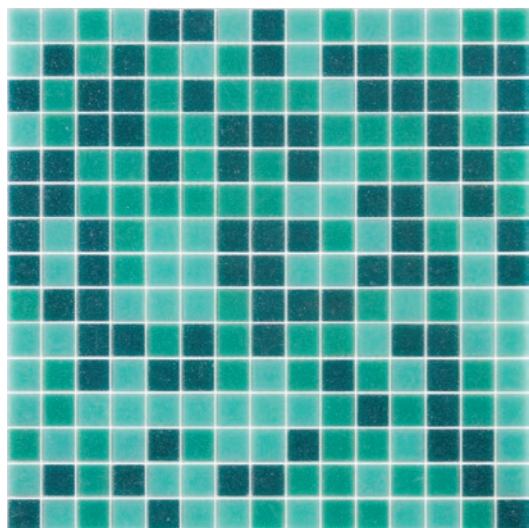
MIX20-GN448 GRASS (CES/107)



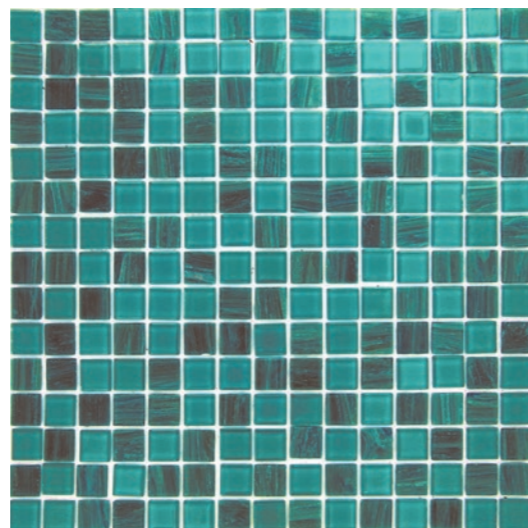
MIX20-GN450 LAGOON (CN/408)



MIX20-GN454 POOL (POOL3)



MIX20-GN449 MEADOW (CES/109)

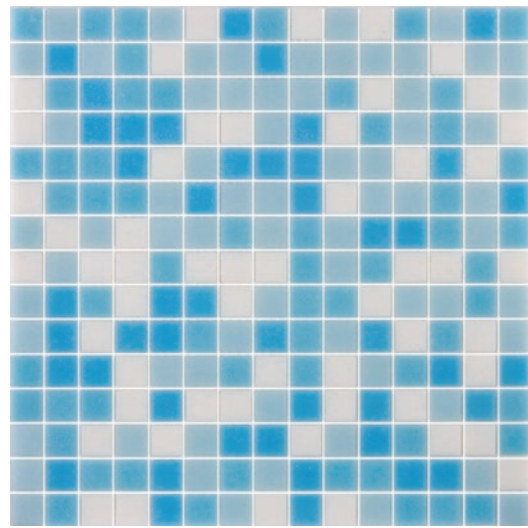


MIX20-GN453 PALAU (PALAU)

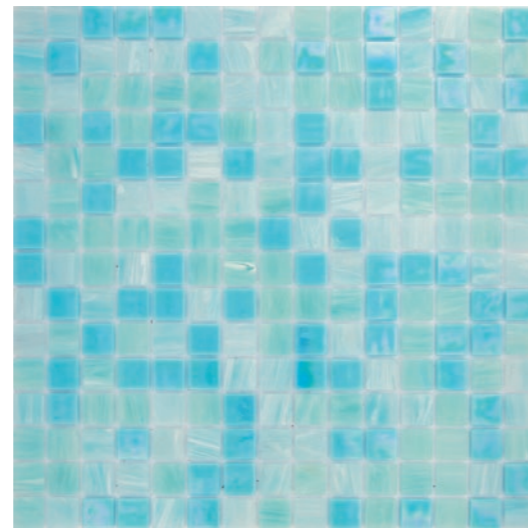


MIX20-GN453 PALAU (PALAU)

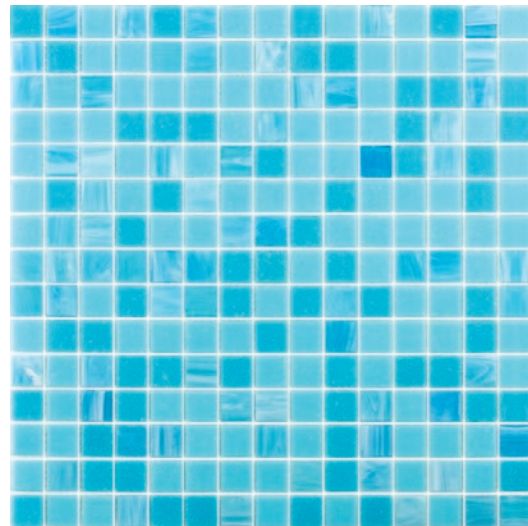




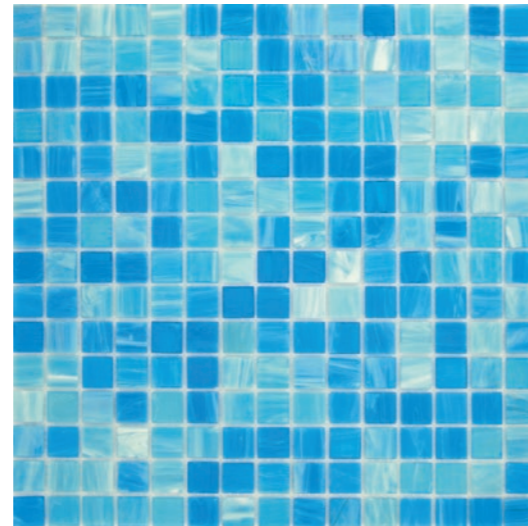
MIX20-BL583 MIST (CES/101-2)



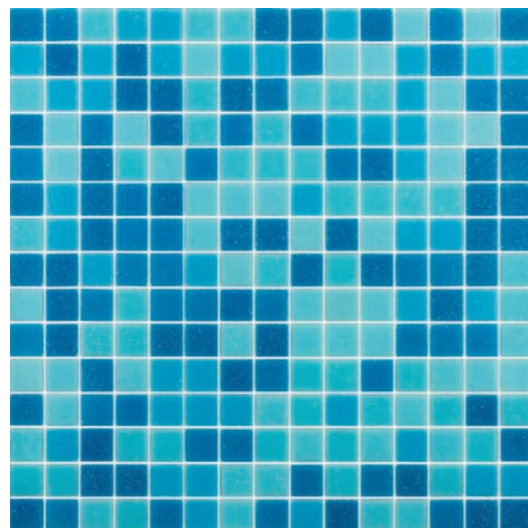
MIX20-BL589 CRETE (CRETE)



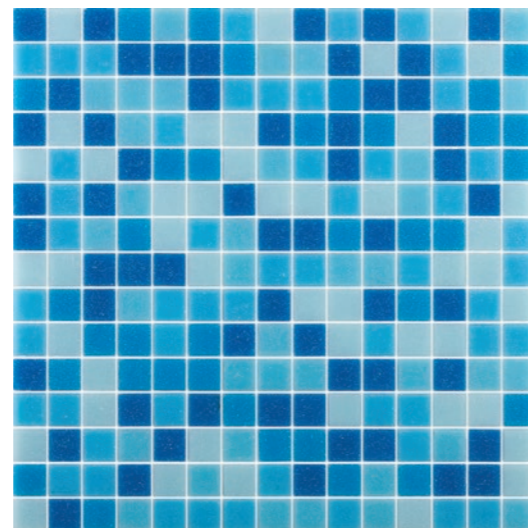
MIX20-BL587 OCEAN (CN/210)



MIX20-BL592 PURE (PURE)



MIX20-BL586 ATLANTIC (CN/118)

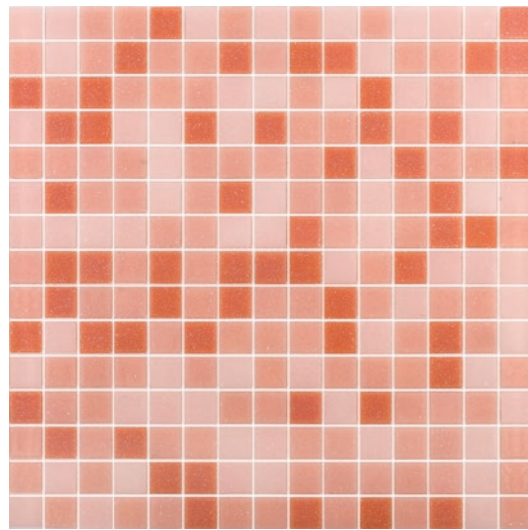


MIX20-BL585 PACIFIC (CES/125)

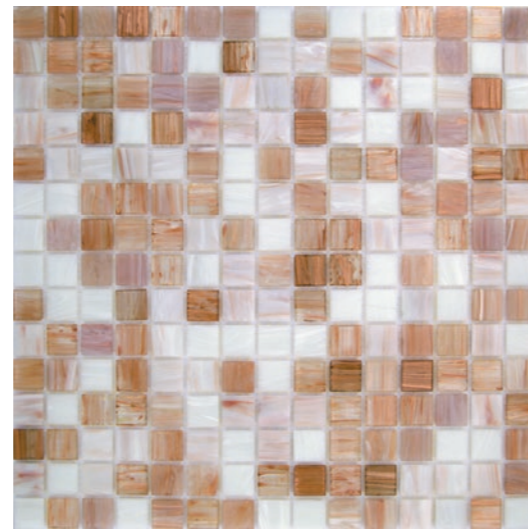


MIX20-BL592 PURE (PURE)

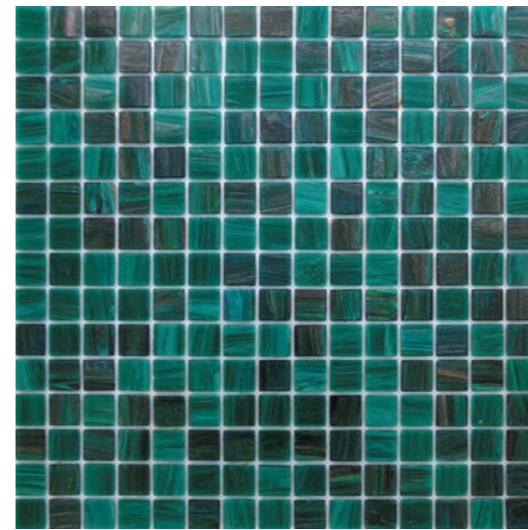




MIX20-PK238 ROSE (CNS/110)



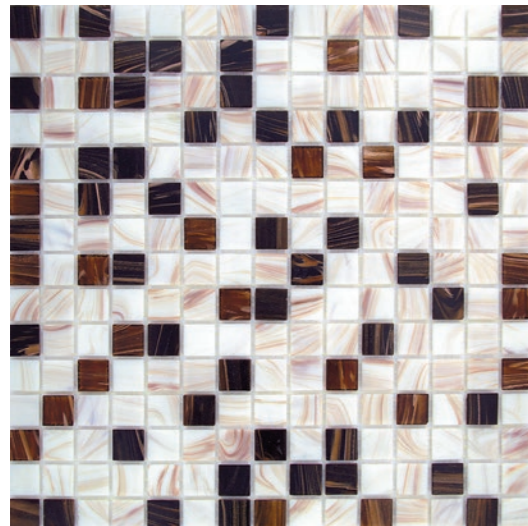
MIX20-BG342 FRAPPE (CN/936-2)



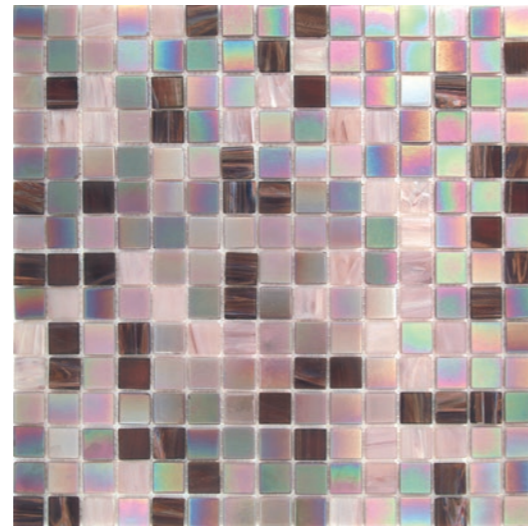
MIX20-GN452 HALEY GMF (HALEY)



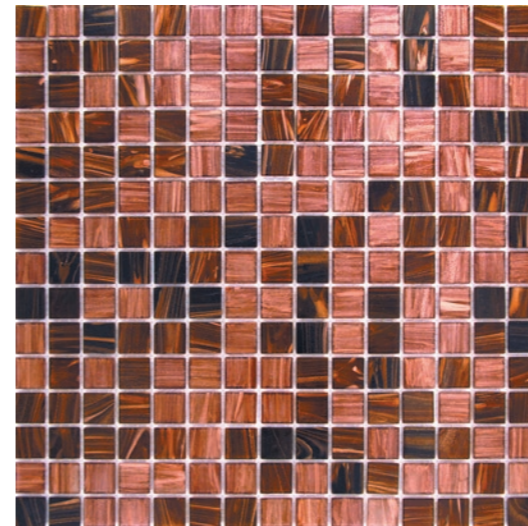
MIX20-BL591 POSEIDON GMF  
(NEW POSEIDON GM)



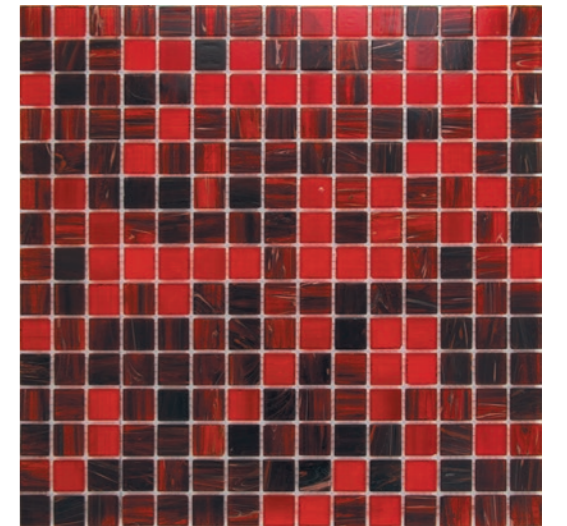
MIX20-BG344 COFFEE (COFFEE-2)



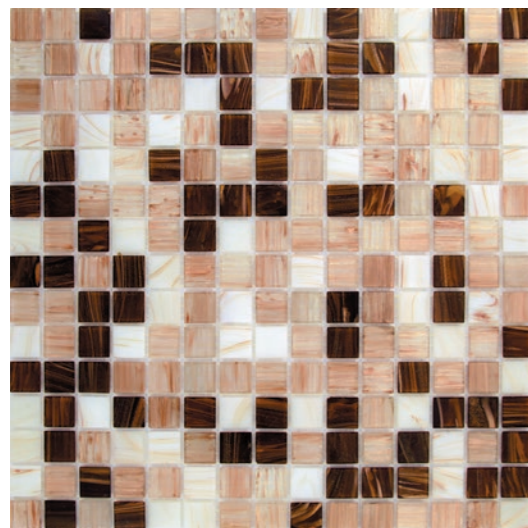
MIX20-PK237 LAVANDER (CN/638)



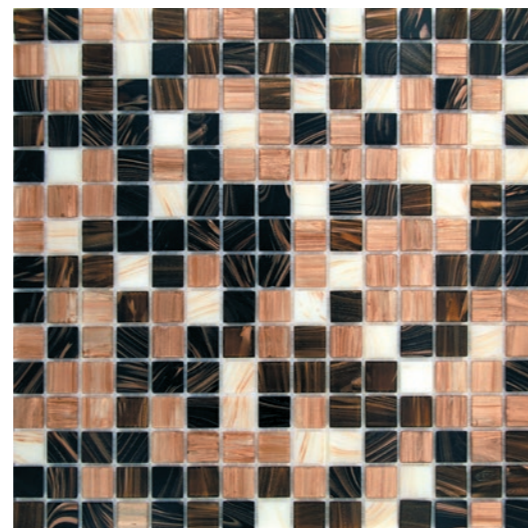
MIX20-BR617 ECUADOR (ECUADOR-2)



MIX20-RD239 KASHMIR (KASHMIR)



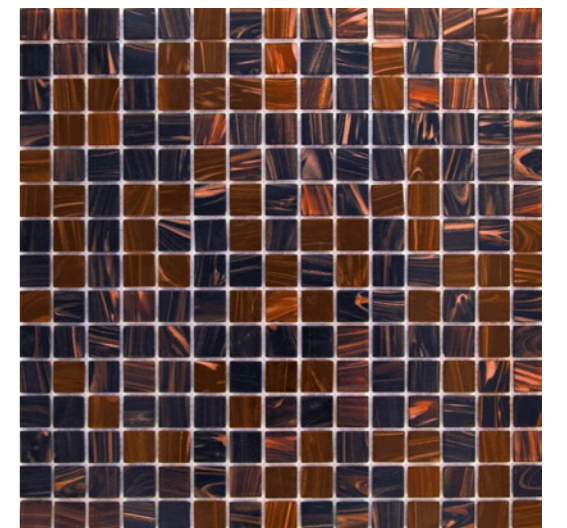
MIX20-BG346 MOCCO (MOCCO-2)



MIX20-BR618 GOODDAY (GOODDAY-2)

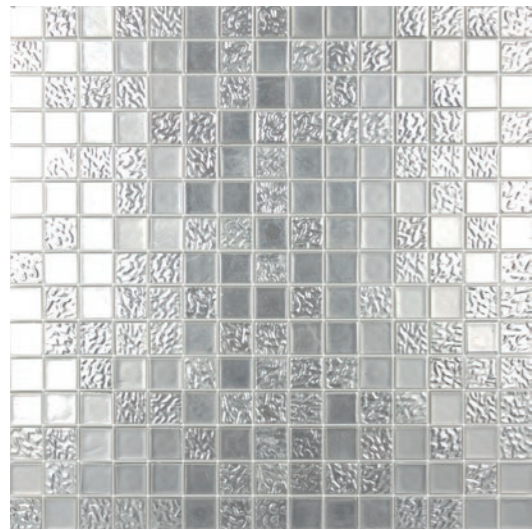


MIX20-GR728 HALIFAX (HALIFAX)

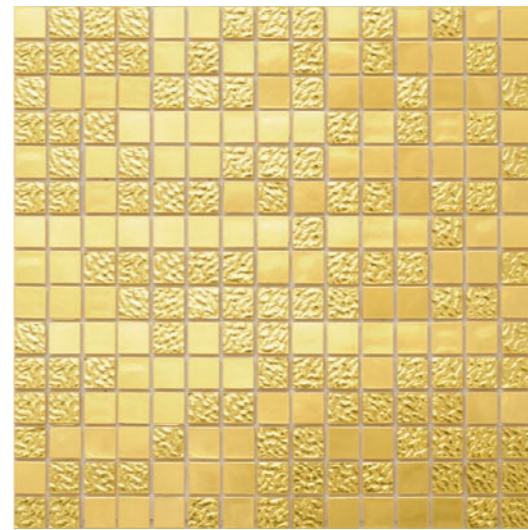


MIX20-BR619 TOBACCO (TOBACCO-2)

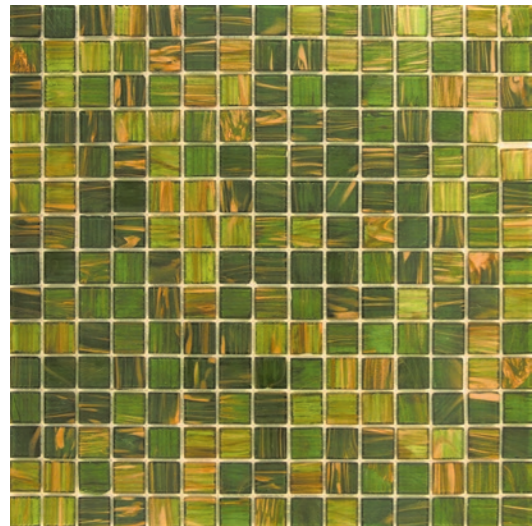




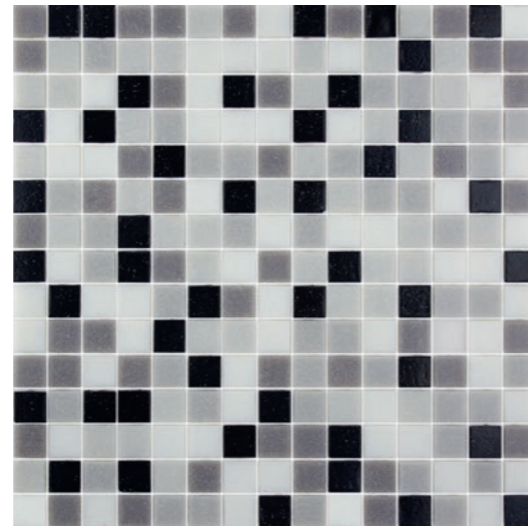
MIX20-GR729 LEDA GMF (LEDA(GM))



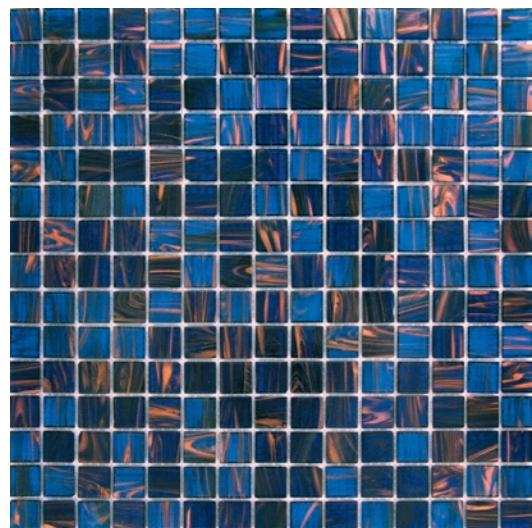
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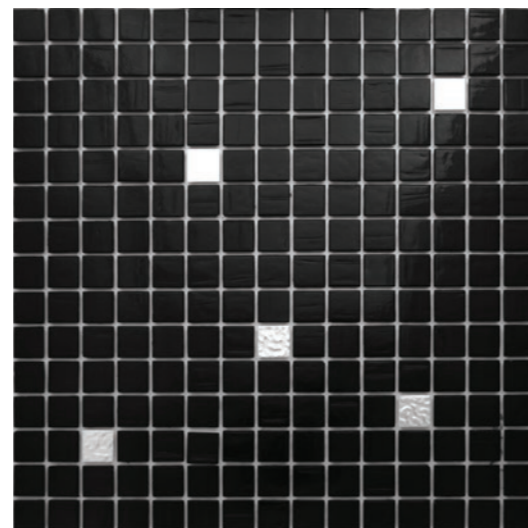
MIX20-GN451 LIZARD (CN/813)



MIX20-GR730 NEUTRAL (NEUTRAL)



MIX20-BL588 STORM (CN/880)

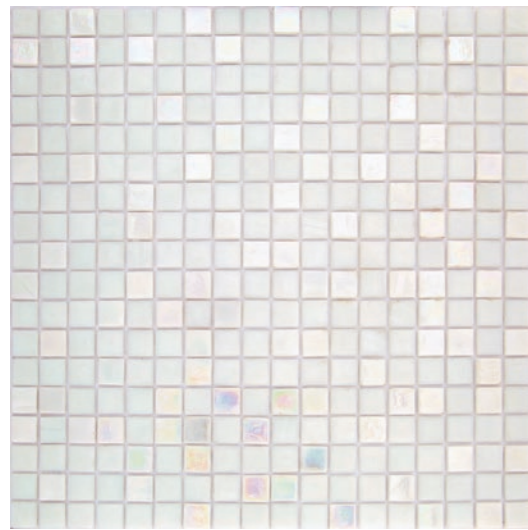


MIX20-BK909 JUPITER GMF (JUPITER5 GM)



MIX20-GN451 LIZARD (CN/813)

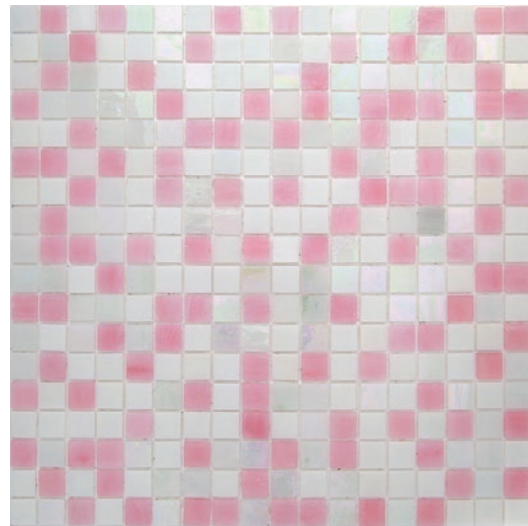




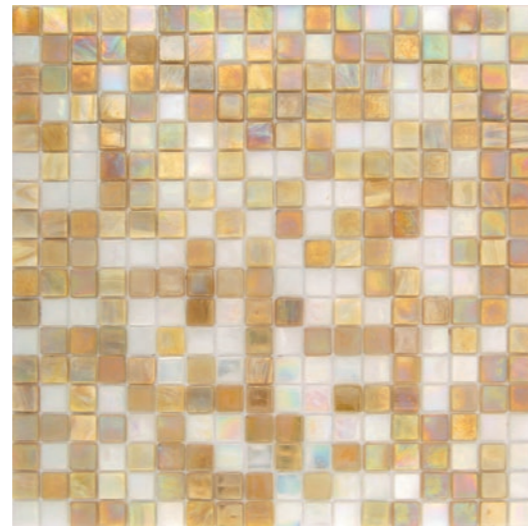
MIX15-WH119 GLIESE (01/GLIESE)



MIX15-WH118 ALGEDI (01/ALGEDI)



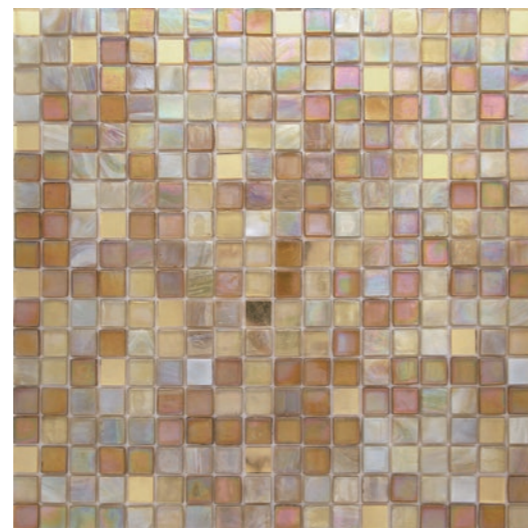
MIX15-WH120 ALCOR (01SM/ALCOR)



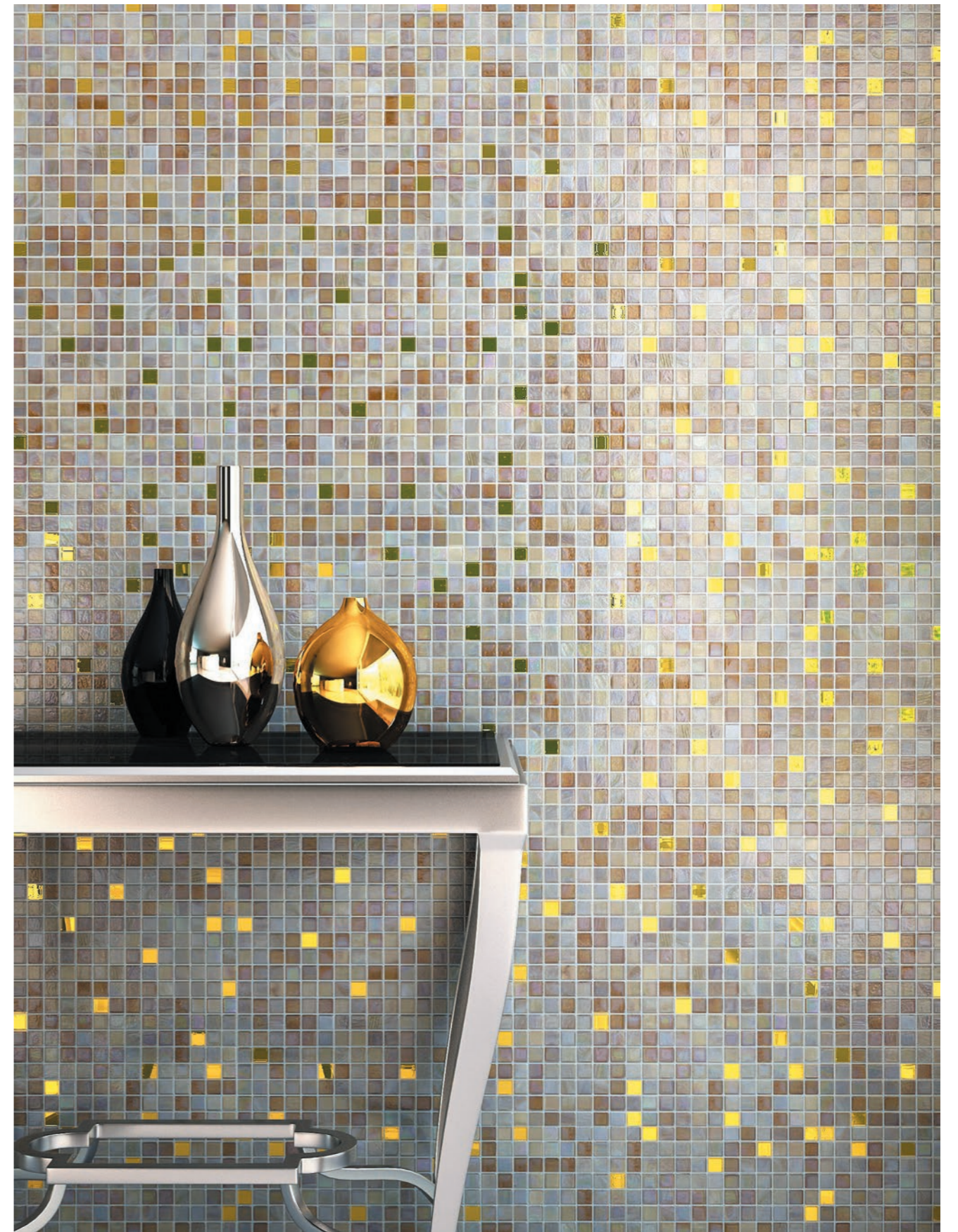
MIX15-BG336 VOLANTIS (07/VOLANTIS)



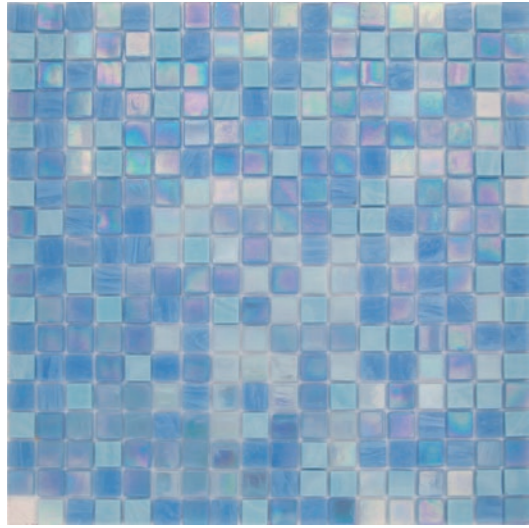
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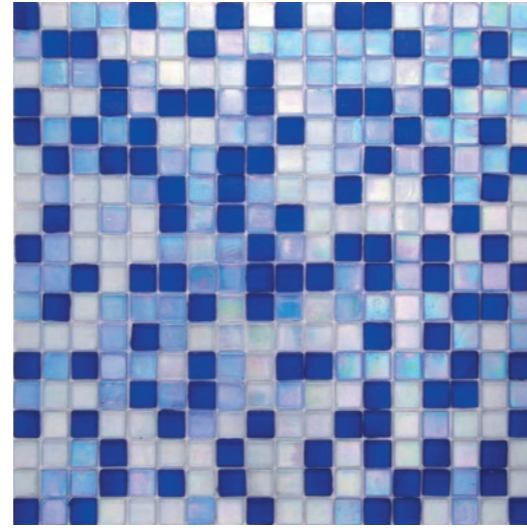
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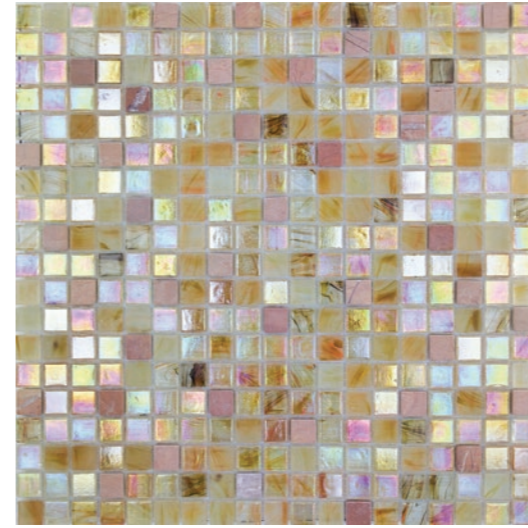
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MIX15-BL580 CAPELLA (03/CAPELLA)



MIX15-BL573 AQUARIUS (03/AQUARIUS)



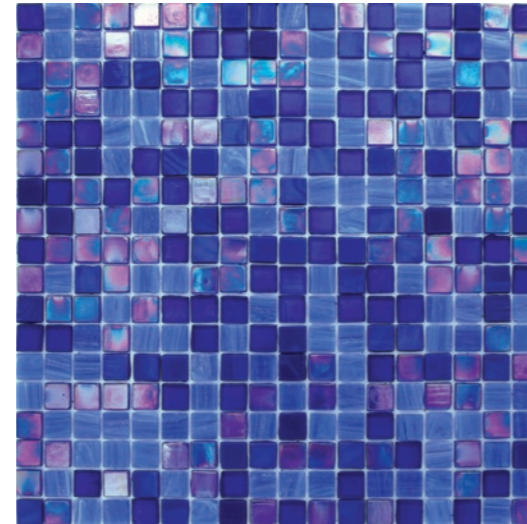
MIX15-BG338 AMBER CREMA(M) (AM405)



MIX15-BL582 AMBER OPAL(M) (AM504)



MIX15-BL582 AMBER OPAL(M) (AM504)



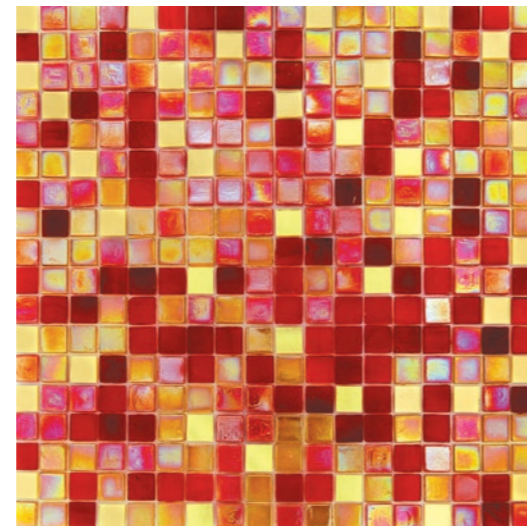
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MIX15-GN447 AMBER ONYX(M) (AM503)



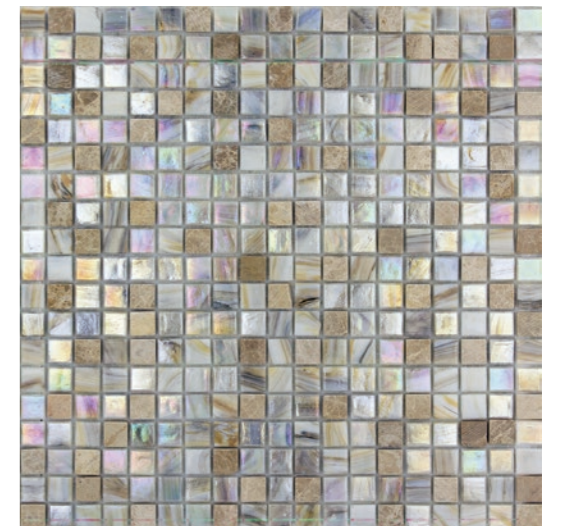
MIX15-BL581 AMBER AZUL(M) (AM402)



MIX15-RD235 MERGA GMC (06/MERGA)



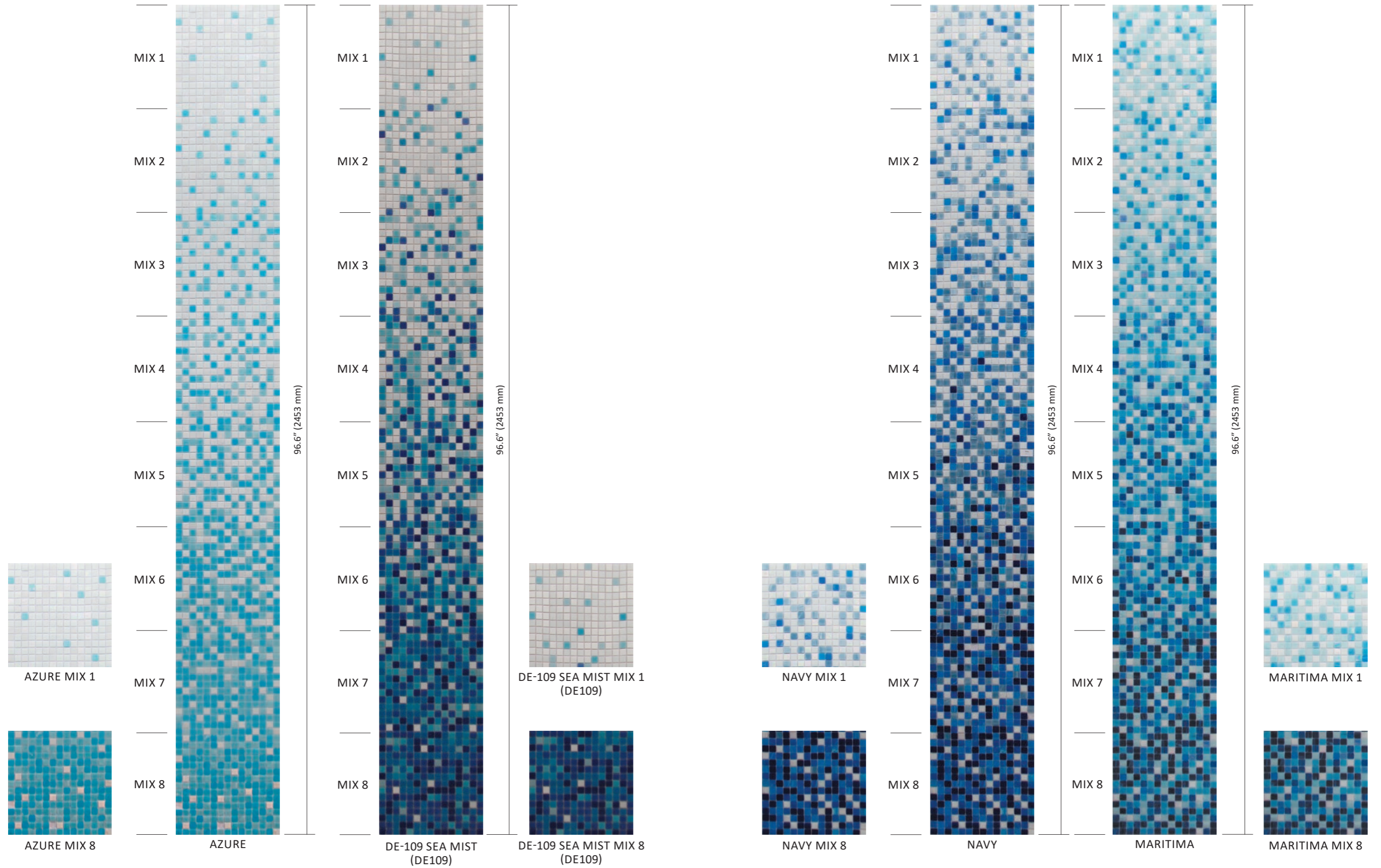
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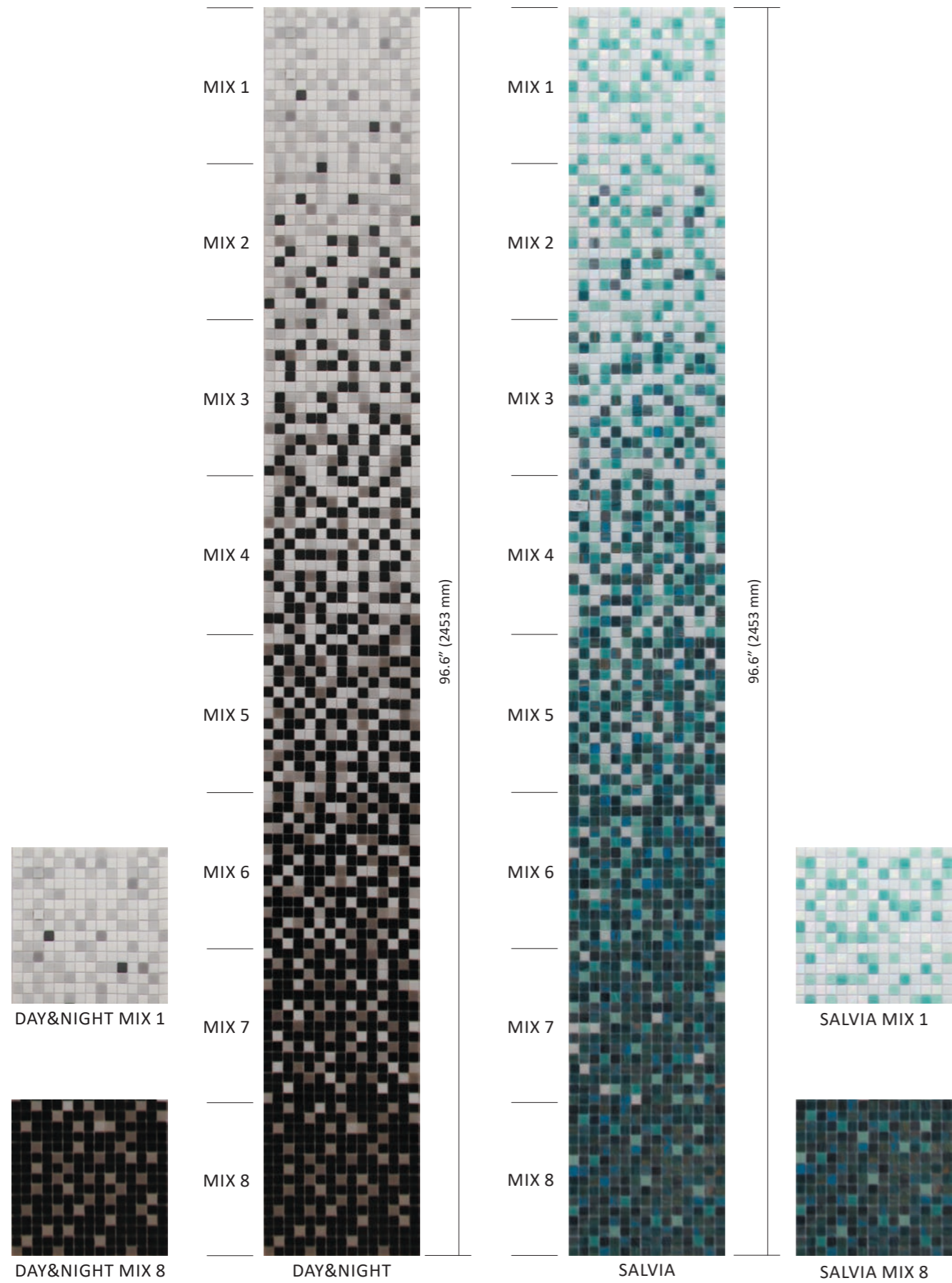


MIX15-BG337 AMBER ROCK(M) (AM207)

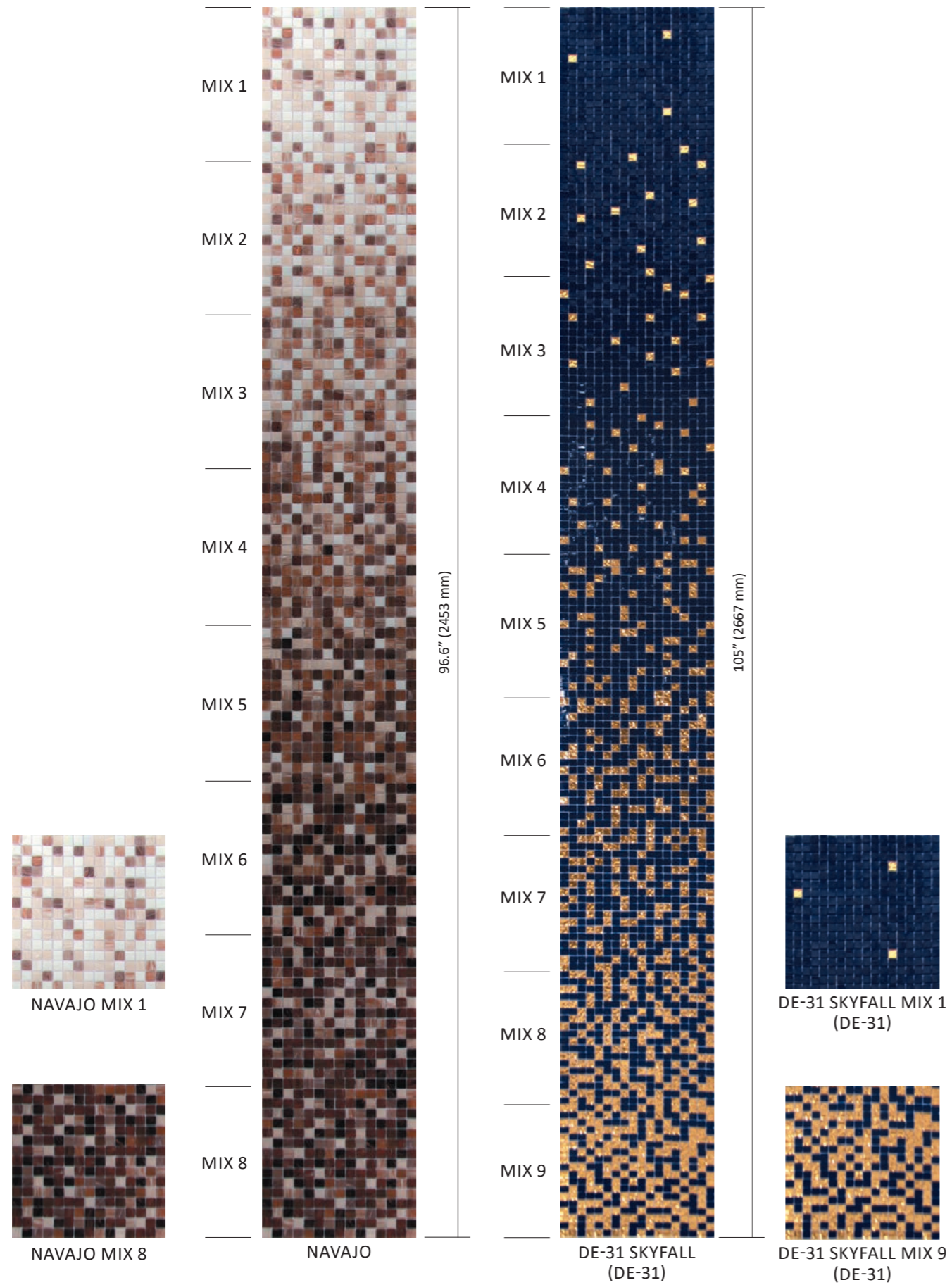






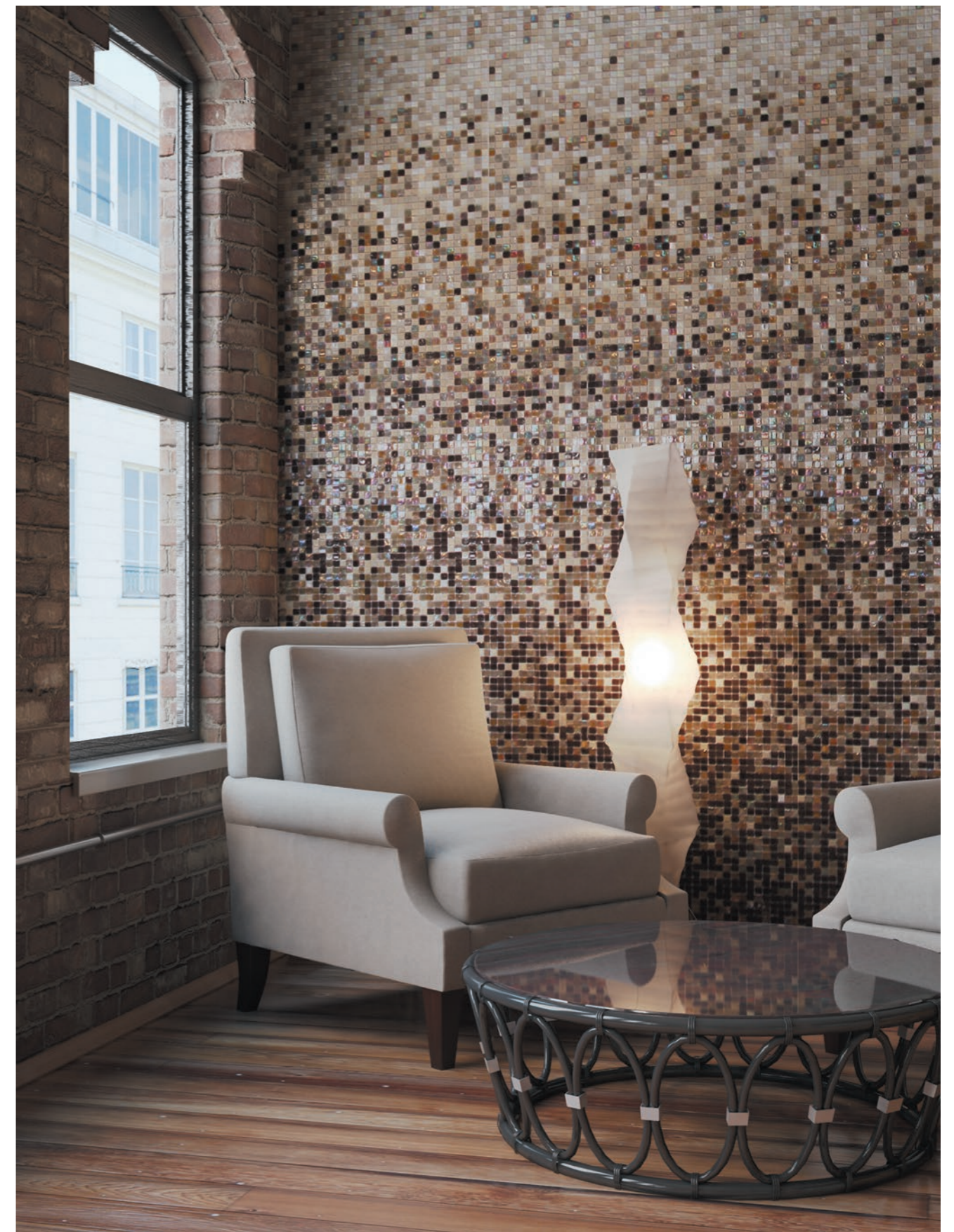
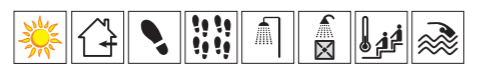
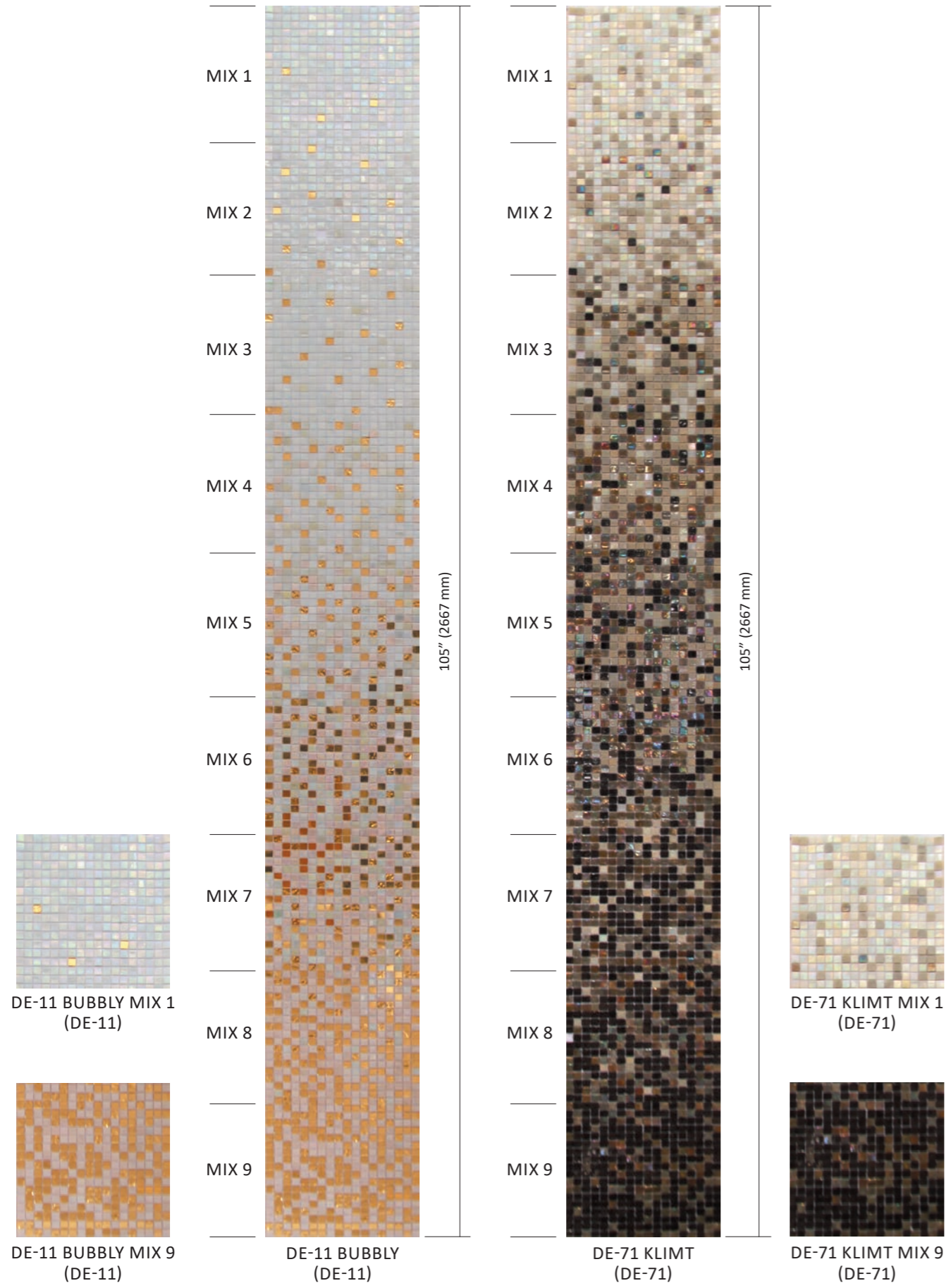


Chip size 0.8"x0.8" (20x20 mm) Sheet size 12"x12" (305x305 mm) Paper face mounted  
Chip size 0.6"x0.6" (15x15 mm) Sheet size 11.6"x11.6" (295x295 mm) Paper face mounted

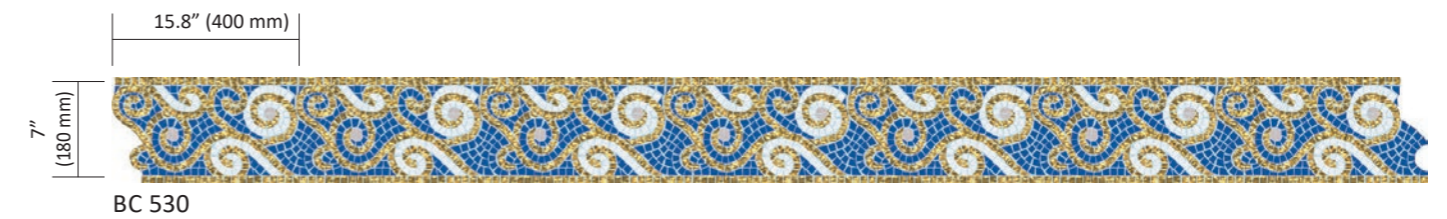
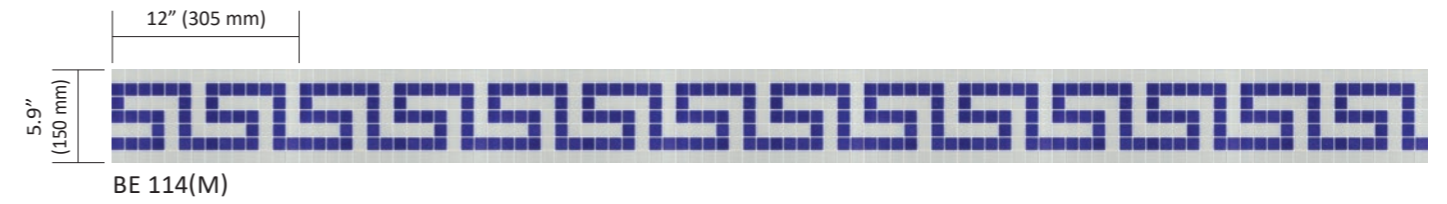
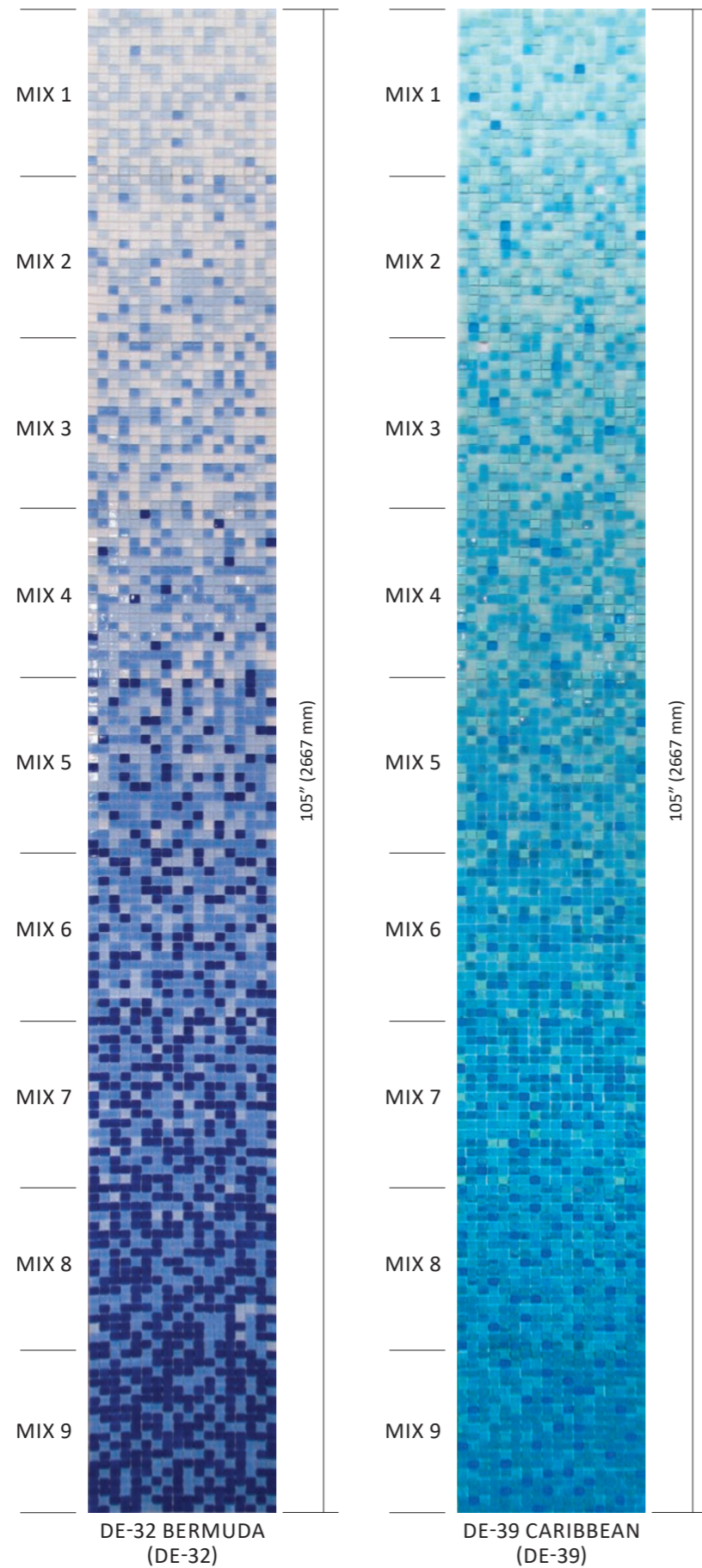


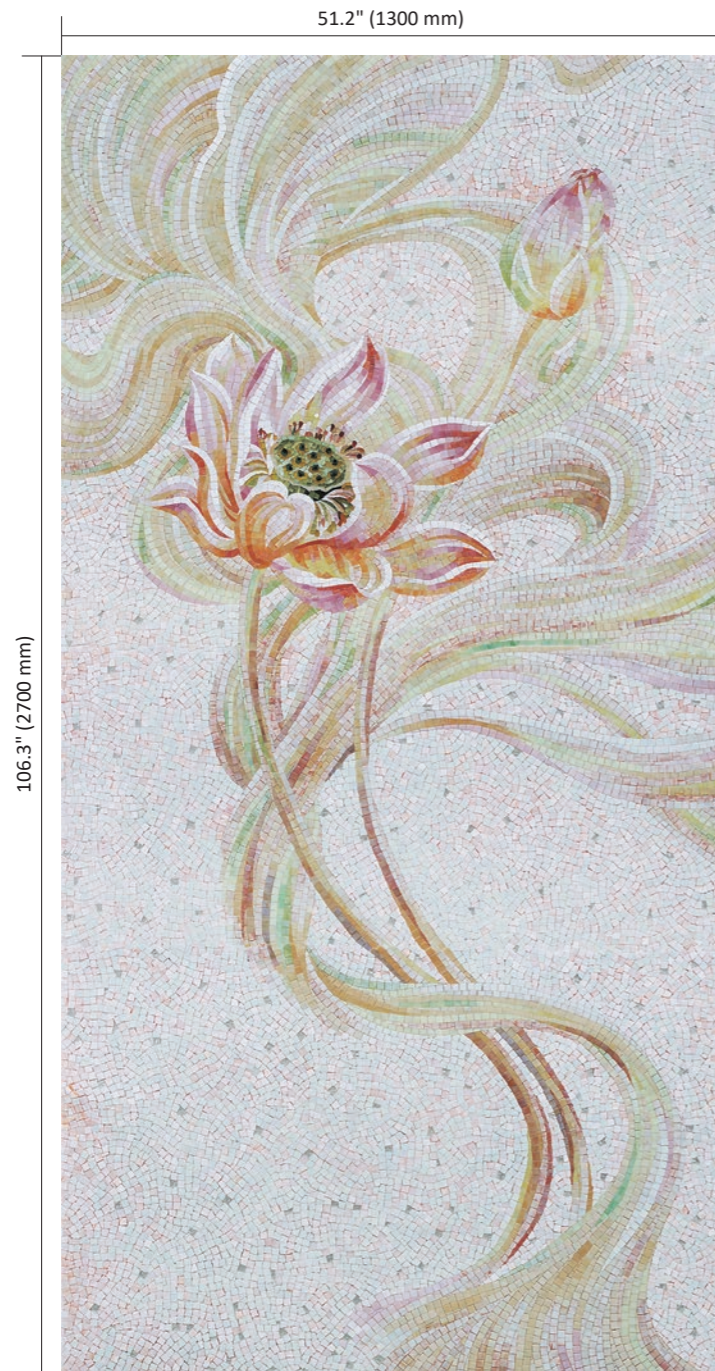
DE-31 SKYFALL (DE-31)





DE-71 KLIMT (DE-71)





AP-604



AP-604

Sizes and colors of murals can be customized





53" (1343 mm)

86.4" (2194 mm)

AP-960



AP-960

Sizes and colors of murals can be customized





AP-720

Sizes and colors of murals can be customized

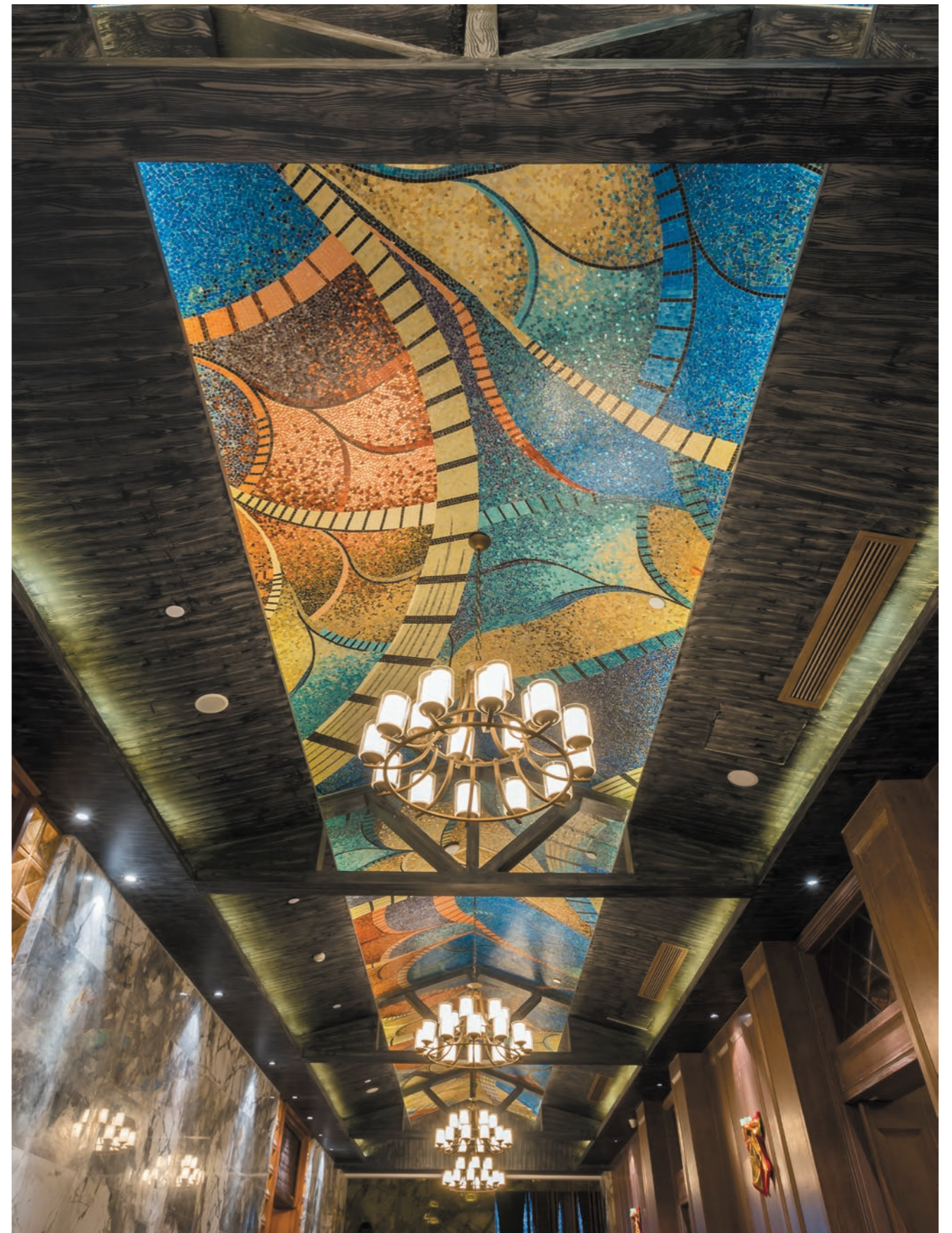


AP-720





AP-723



AP-723

Sizes and colors of murals can be customized





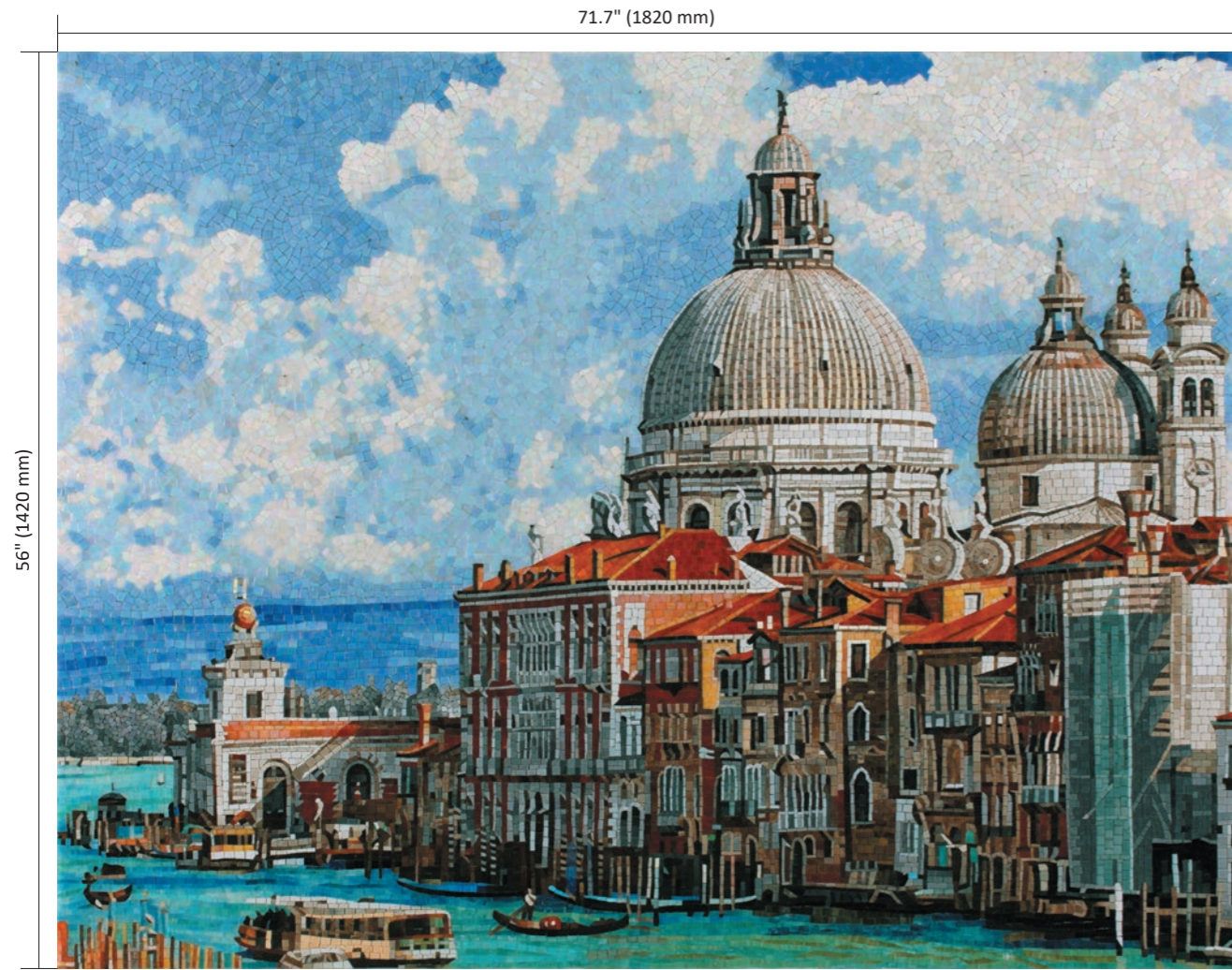
AP-923



AP-923

Sizes and colors of murals can be customized





71.7" (1820 mm)

56" (1420 mm)

AP-961



AP-961

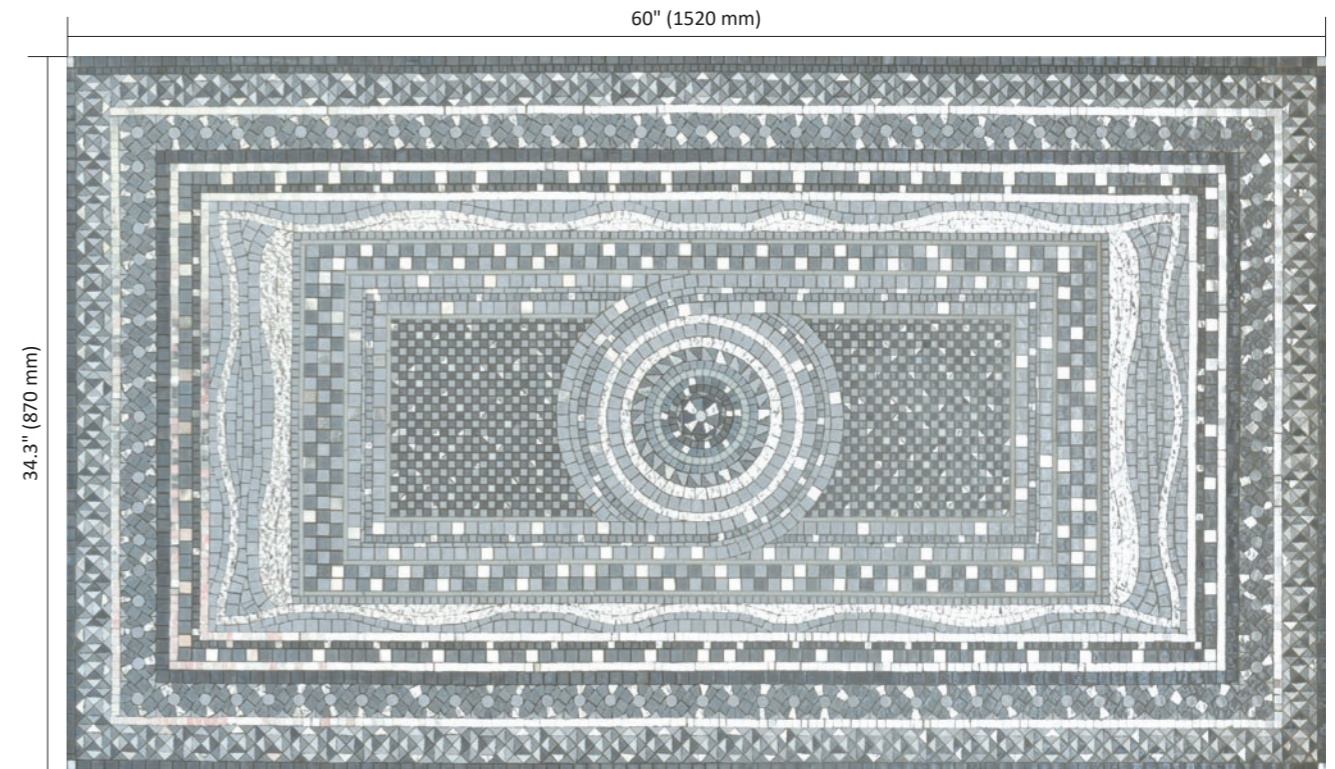
Sizes and colors of murals can be customized





AP-930

Sizes and colors of murals can be customized



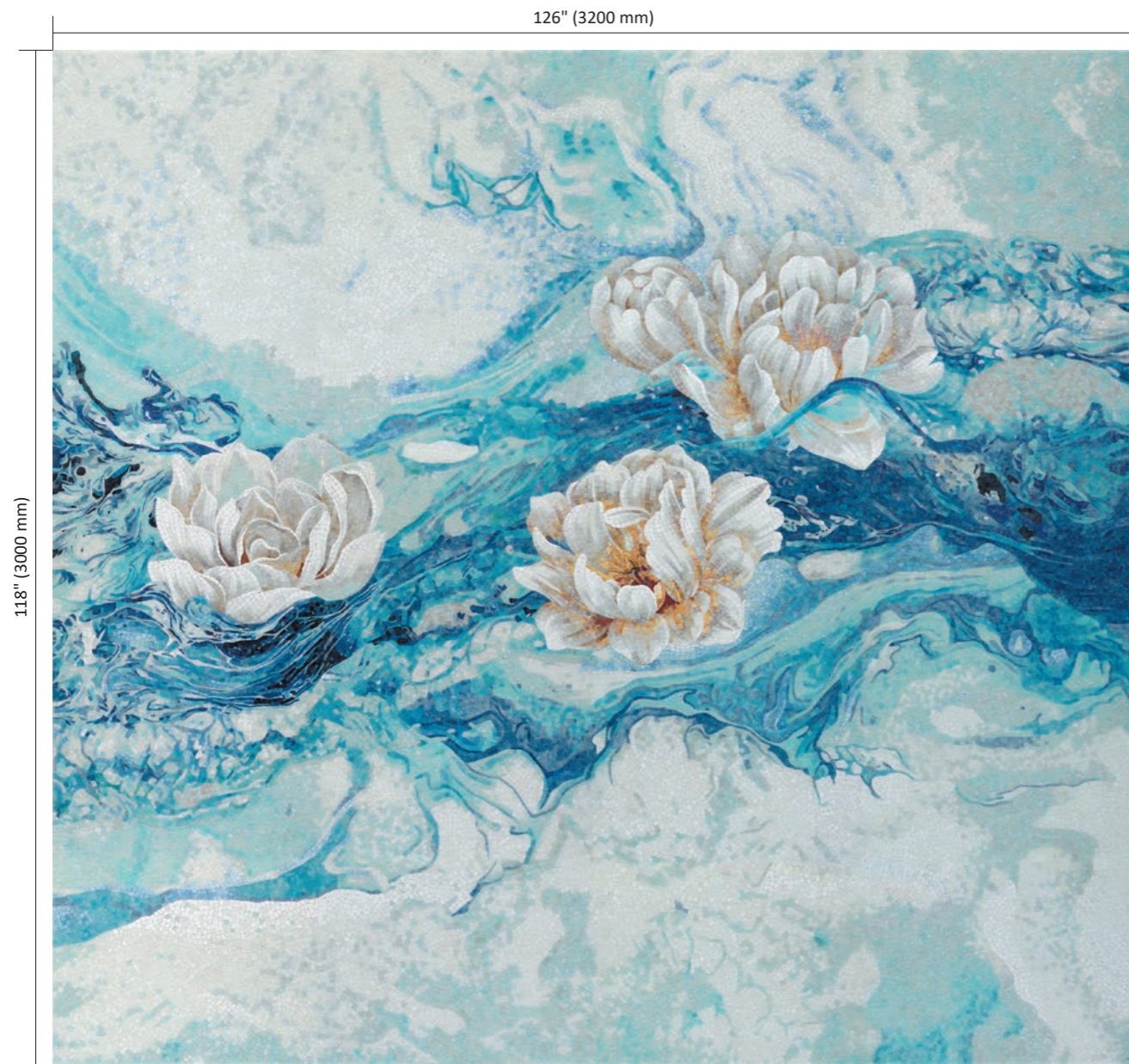
AP-975



AP-975

Sizes and colors of murals can be customized





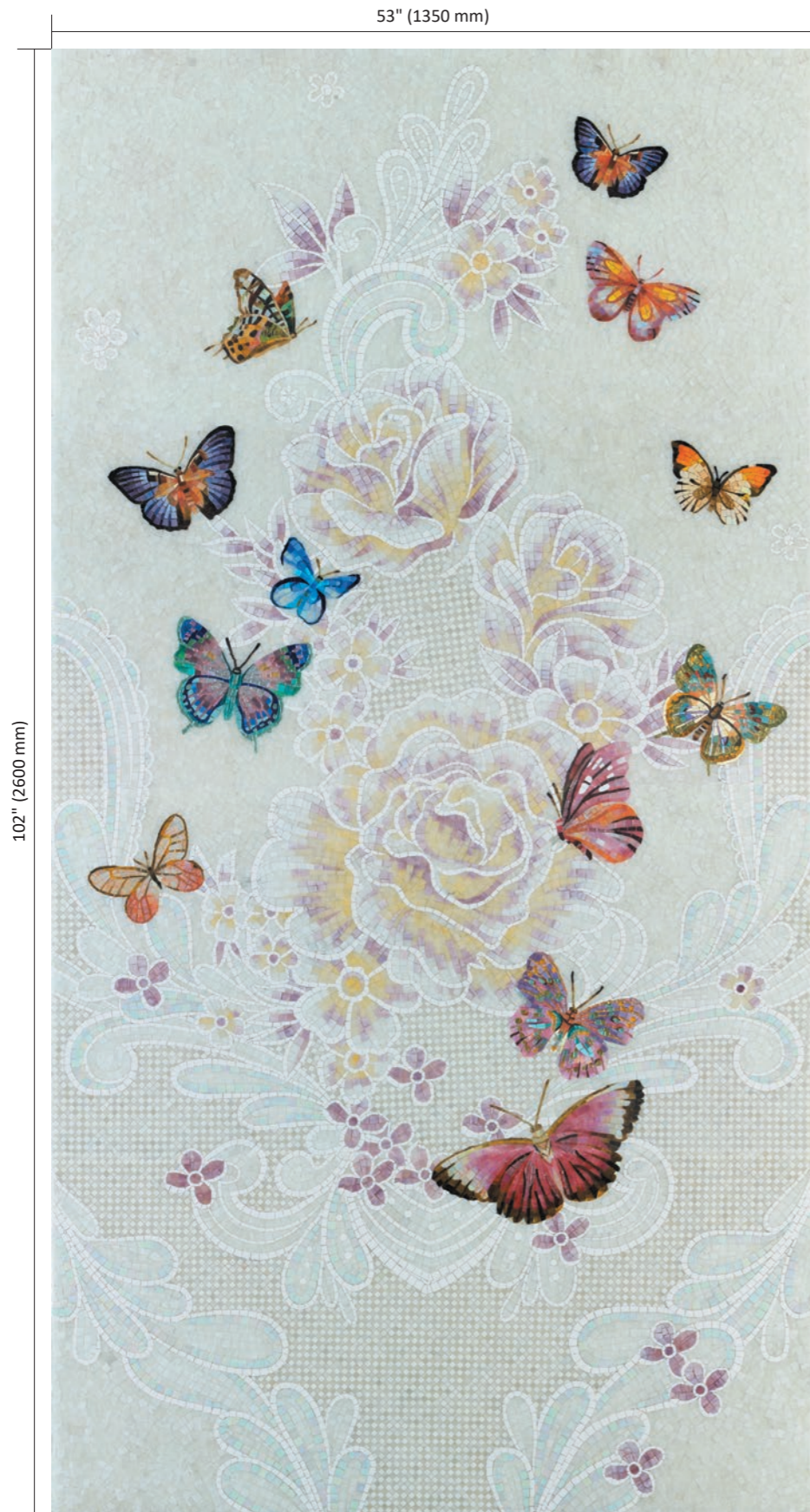
AP-990



AP-990

Sizes and colors of murals can be customized





53" (1350 mm)

102" (2600 mm)

AP-991

Sizes and colors of murals can be customized



AP-991



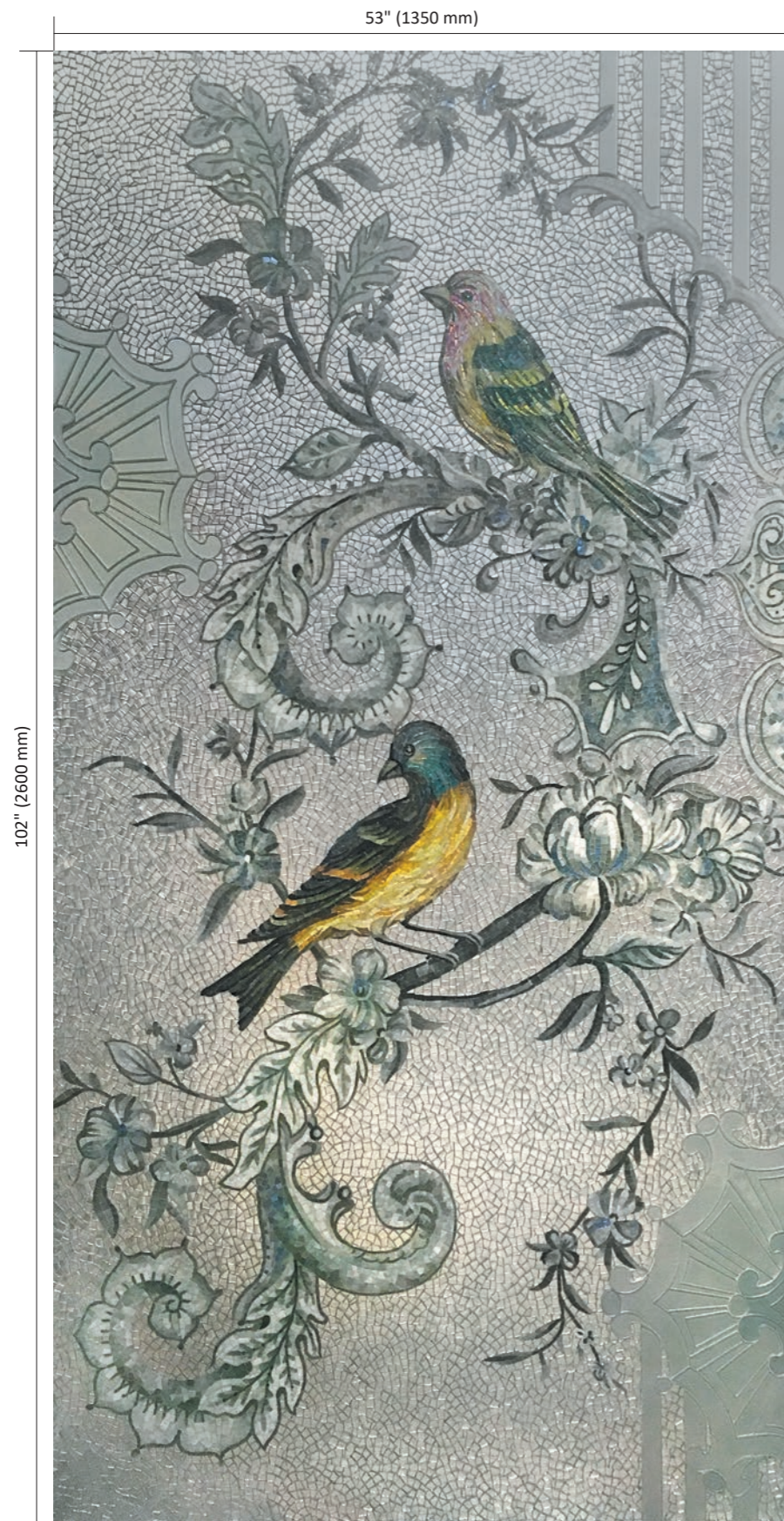
AP-909



AP-909

Sizes and colors of murals can be customized





AP-910



AP-910

Sizes and colors of murals can be customized







59" (1500 mm)

157.5" (4000 mm)

AP-912



AP-912

*Sizes and colors of murals can be customized*





AP-018



AP-018

Sizes and colors of murals can be customized





AP-018G



AP-018G

Sizes and colors of murals can be customized





AP-09 47"X35" (1200X885 mm)

Sizes and colors of murals can be customized



AP-12 57"X96.5" (1450X2450 mm)

Sizes and colors of murals can be customized





AP-101



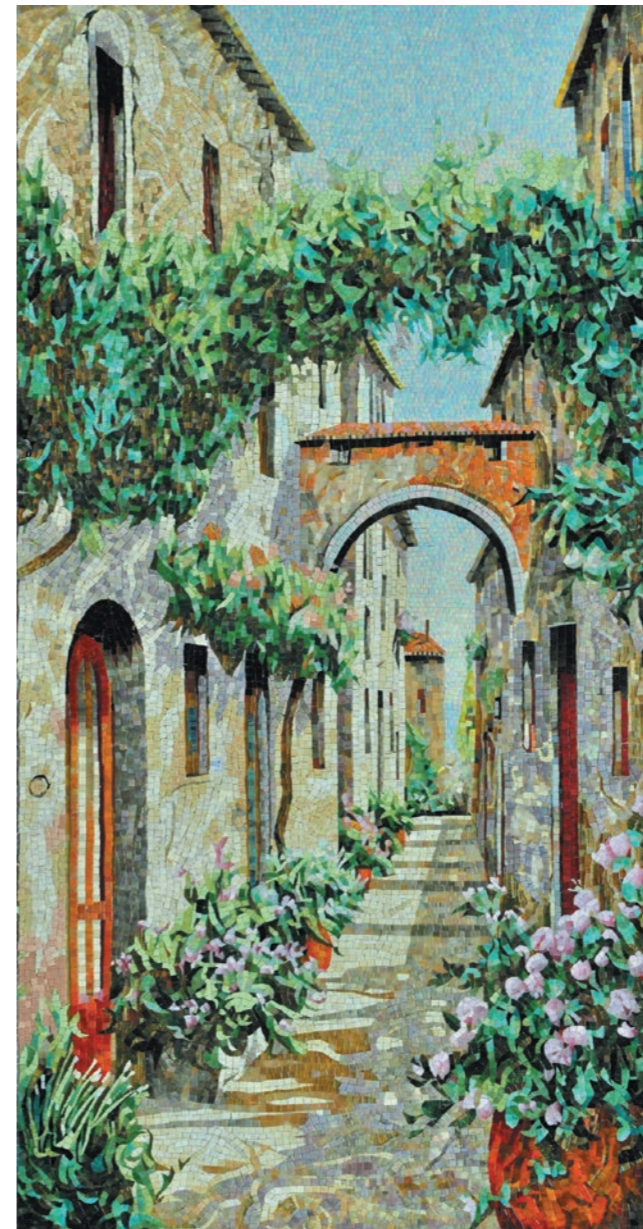
AP-102



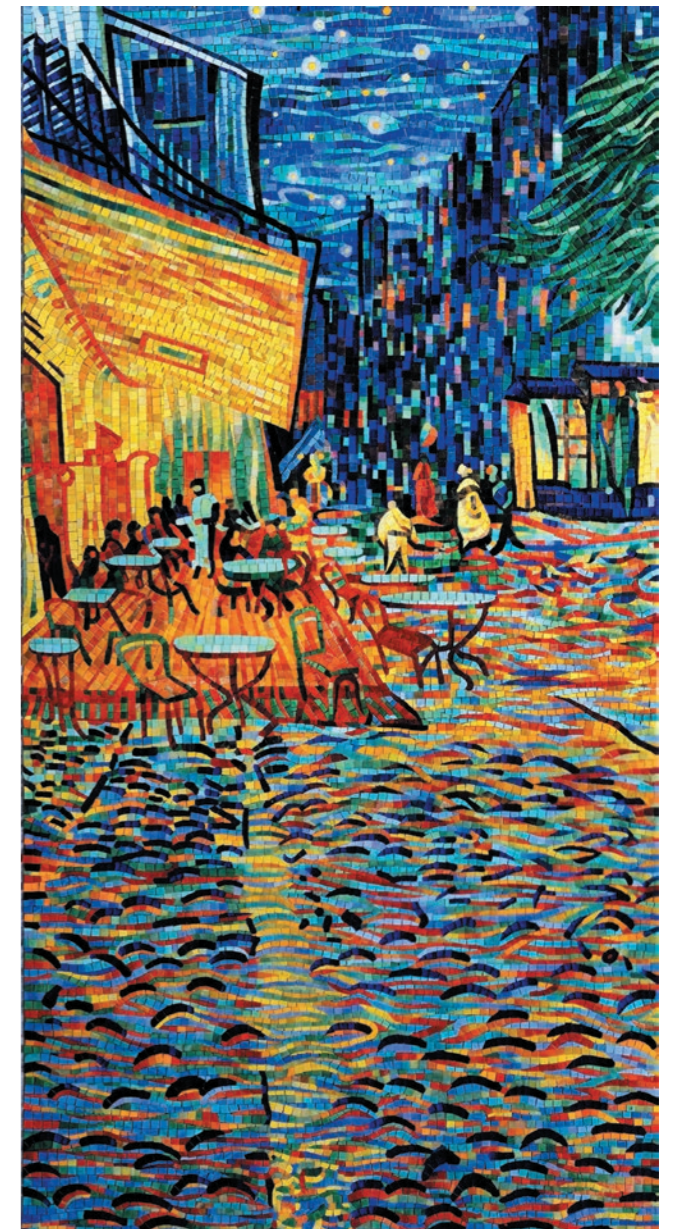
AP-104



AP-103



AP-105



AP-106

Sizes and colors of murals can be customized



Sizes and colors of murals can be customized





AP-107



AP-108



AP-110



AP-109



AP-111



AP-112

Sizes and colors of murals can be customized



Sizes and colors of murals can be customized





AP-113



AP-115



AP-114



AP-119



AP-120



AP-117



AP-116



AP-118



AP-121



AP-122

Sizes and colors of murals can be customized



Sizes and colors of murals can be customized





AP-123



AP-124



AP-125



AP-126



AP-129



AP-127



AP-128



AP-130



AP-131



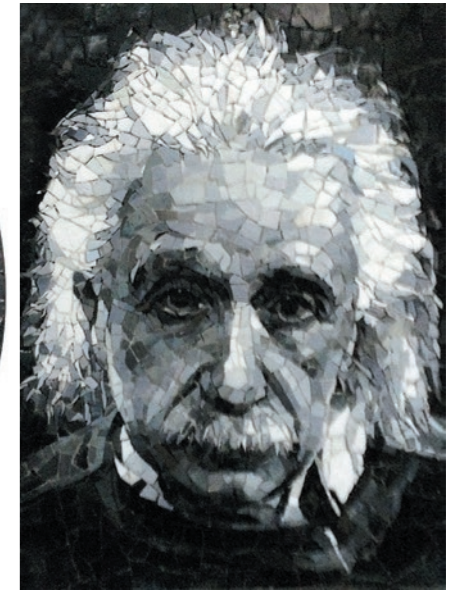
AP-132



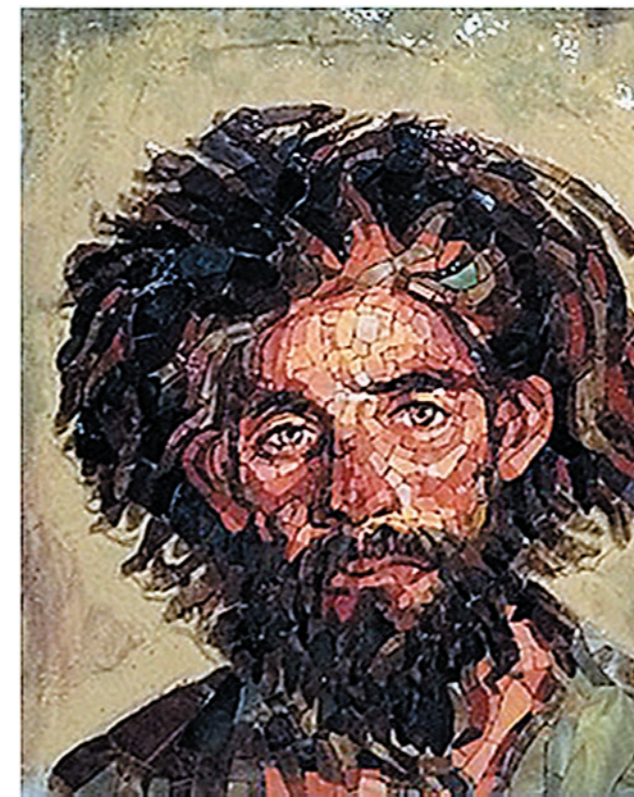
AP-201



AP-202



AP-203



AP-204



AP-205

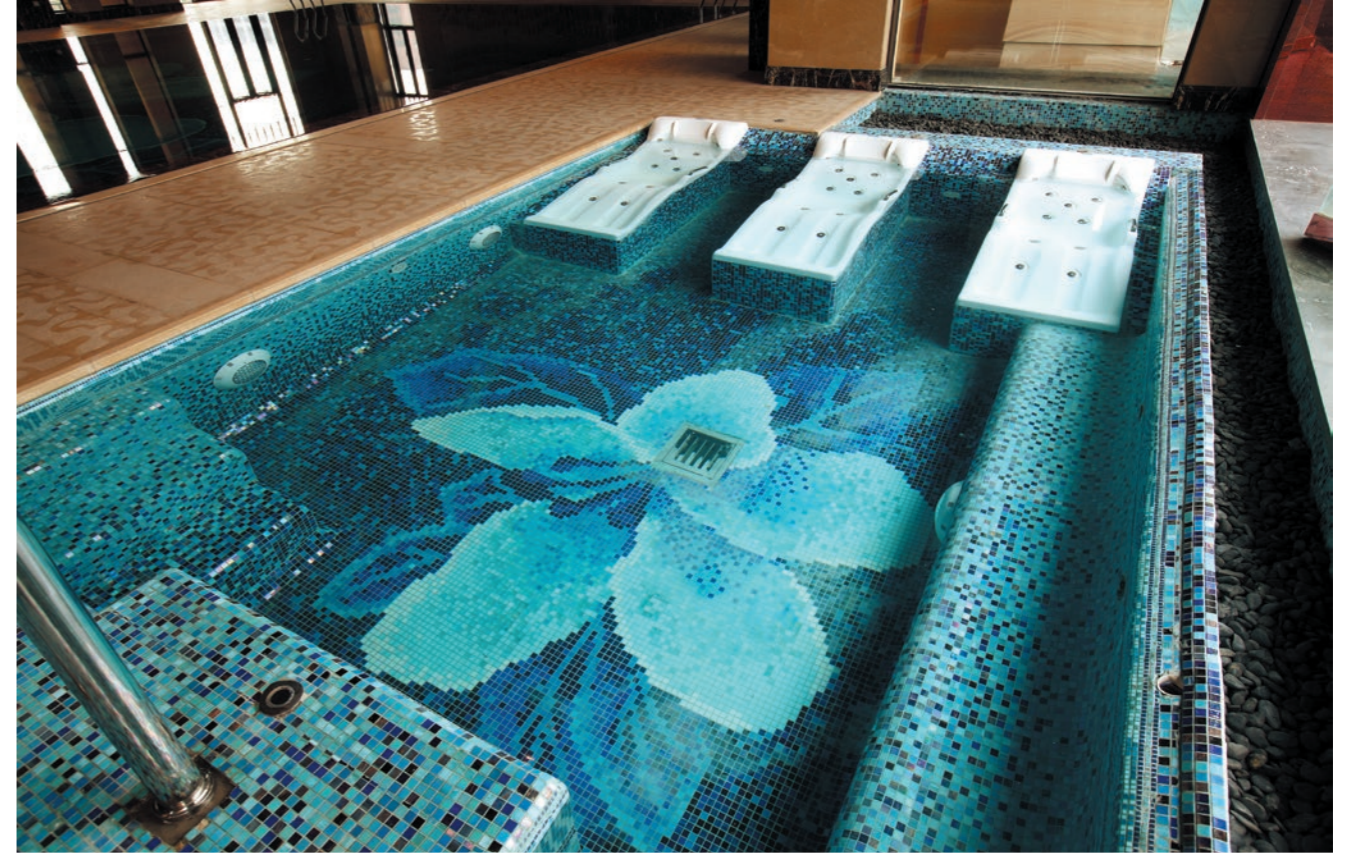




AP-206



AP-207



AP-208



AP-209



AP-210



AP-211



AP-212



AP-213



AP-215



AP-214



AP-216

MIR Mosaic is providing these instructions as a general guideline for installation of the Alma glass mosaics which can be paper face mounted, mesh mounted or clear film mounted. For the most successful installation we recommend using a professional licensed tile installer that has read and understands these instructions and the guidelines provided in the TCNA Handbook. Some installations may require more detailed specification.

**PRIOR TO INSTALLATION:**

MIR Mosaic recommends inspecting all materials prior to installation\*. In many cases, you may notice slight shade, color and tone variations. Occasionally, you may notice some bubbles and chipped edges in the glass, these characteristics are inherent in some glass materials and are created during the manufacturing process and should be expected. The owner or owner’s installer is responsible for determining that the materials are suitable for the installation prior to setting the material. We also recommend that the owner inspect the installation after the first 5-6 sheets of material have been installed to determine desired results are being achieved prior to proceeding with the installation. **Always inspect your tiles before they are installed, as installation of material constitutes acceptance. Any questions as to acceptability must be resolved before installation.**

Verify sheet to sheet color consistency and sheet size. We recommend laying out all mosaic sheets on the floor before installation to verify the color consistency and quality acceptability of every sheet.

Translucent glass that is mesh mounted will change with color of thin-set. Darker thin-set will dull/deepen the color of the glass while white thin-set will brighten the color of glass and mask most of the mesh in installation. MIR Mosaic does recommend that translucent glass be requested as paper faced instead of mesh mounted. The mesh may be noticeable after the installation is complete especially if contrasting thin-set is used. For larger installation with multiple production lots, materials should be laid out and blended accordingly so desired results are achieved.

**INSTALLATION**

Installing glass tile involves some basic procedures that differ from installing ceramic tile or stone tile. Use a high-quality wet saw with a **diamond blade for glass tiles** to cut the mosaic. Make sure that glass tile is installed over the proper substrate. This is one of the most important factors in ensuring a good installation. The surface you are tiling must be a clean sound surface and free of dirt, oils, including curing compounds and sealers. Substrate should be free of cracks and if in water should be waterproof. If necessary, use the installation material manufacturer’s membrane for cracks and water protection. Particular care should be taken to use the correct adhesive, grout and sealants. Using the wrong setting material can cause damage to the color and the surface of glass mosaic. The installer is responsible for choosing and using the correct installation practices to achieve an acceptable finished product. MIR Group, Inc. is in no way responsible for the damages caused to the glass mosaic by using the wrong setting material or grout.

We recommend using a bright white thin-set mortar or setting material for glass materials to keep color consistent with the samples. Do not spread the adhesive over large surfaces otherwise, it will dry before laying the mosaics. If mosaic to be installed represents a drawing, follow the laying instructions provided with the product. Once the sheet has been fitted in place, press down with a rubber tile float, making sure that the distance between the mosaic sheets is the same as the distance between each of the mosaic chips to ensure a uniform layout and equal joint widths. Even if mosaic chips are not square or rectangular it is important to make sure that the distance between sheets is the same as the distance between individual pieces on the sheets. Apply the mosaic sheets by tapping the tiles with a rubber float to ensure a perfect adhesion, preventing air bubbles and preventing the adhesive from filling the joints between the tiles. It is important to leave enough thickness of the joints empty and to clean any excess grout with a brush.

On transparent mosaics traces of the adhesive must be eliminated by using the smooth edge of the trowel being careful not to remove the adhesive.

When installing paper-mounted mosaic remove paper no sooner than 24 hours after adhesion. The paper moistened with a sponge can be easily removed after a few minutes by slowly pulling it diagonally and close to the wall. Make sure that adhesive is completely set (dry) prior to removing paper to avoid the mosaic chips from moving and affecting the uniformity of joints. After removing the paper we recommend to clean the mosaic surface completely by washing away with clean water any residue of the paper adhesive that may interfere with the subsequent grouting. Grouting may be done only after tile is firmly set – approximately 24 hours after installation. Clean the surface with a clean, damp sponge. Grout joints should be packed full and free of all voids and pits. Excess grout should be cleaned from the surface as the work progresses, while grout is fresh and before it hardens. Prior to grouting, test in a small area to make sure that the right color grout is chosen and that the surface does not scratch during grouting. Allow grout to set firm or until haze forms on the tile and the grout in the joints sets firm. Use a soft, clean, dry cloth to polish off haze and remaining grout residue. Final cleaning of grout haze and tile polishing should be done with clean, dry cheese or polishing cloth within 24 hours of grouting.

**SUITABLE SUBSTRATE PREPARATION**

There are three types of suitable substrates for MIR Mosaics Alma Glass and Tile products:

1. Concrete – 28 days damp cured concrete (may require some additional surface preparation).
2. Cement Backer Board – Hardibacker, Durock, Wonderboard, PermaBase or Fiberrock.
3. Cement Mortar- Minimum cure of 7 days.
  - a. Floors: bonded cement mortar bed or wire reinforced cement mortar bed over membrane.
  - b. Walls: Two-coat cement mortar bed reinforced with 2.5lb galvanized metal lath.

The tile installation’s location, substrate type and substructure will determine the details of how the substrate should be prepared. The following preparations methods are detailed in the Tile Council of North America’s “TCNA Handbook for Ceramic, Glass, and Stone Tile Installation”. Use the following chart to identify which TCNA method is appropriate for your installation and refer to the current edition of the TCNA Handbook for details. You can purchase a copy of the handbook online at: [www.tcnatile.com](http://www.tcnatile.com)

FLOORS	INTERIOR			EXTERIOR		
	Backer Board	Mortar	Concrete	Backer Board	Mortar	Concrete
Wood Sub- Floor	F144	F145	N/A	N/A	N/A	N/A
Concrete (slab on grade)	N/A	F111 F112	F113	N/A	F121 <sup>1</sup>	F102
Concrete (elevated or Posttensioned)	N/A	F111	N/A	N/A	F121 <sup>1</sup>	N/A

WALLS	INTERIOR			EXTERIOR		
	Backer Board	Mortar	Drywall	Backer Board	Mortar	Drywall
Wood Studs	W244C W244F	W231	W243	W244E	W231	N/A
Metal Studs	W244C W244F	W241	W243	W244E	W241	N/A
Solid Backing (Masonry)	N/A	W221	N/A	N/A	W201	N/A

SPECIALTY	Backer Board	Mortar
Bathtub Walls <sup>2</sup>		B412
Shower Receptor <sup>2</sup> Floors/Walls		B415
Steam Shower Receptor Floors/Walls (opaque tile only)		SR614
Swimming Pools <sup>4</sup>	N/A	N/A
Counter Tops		CS13 <sup>3</sup>
		CS11

<sup>1</sup> This method is not recommended for freeze-thaw applications. Proper drainage and a pre-sloped waterproof membrane (ANSI A118.10) are required BELOW the mortar bed.  
<sup>2</sup> Wood or Metal.  
<sup>3</sup> Use only Cementitious Backer Unit (CBU) or Fiber Cement Board.  
<sup>4</sup> Follow guidelines out lined in TCNA Handbook for pool tile installation.

**UNSUITABLE SUBSTRATES:**

1. Cement mortar beds with chicken wire or metal lath less than 2.5lbs per square yard.
2. Plywood, luan, composites or MDF wood products as substrates.
3. Cement mortar beds without cured scratch coats such as single-float mortar bed walls.

**REQUIREMENTS FOR SUITABLE SUBSTRATES:**

1. Cement mortar beds must be cured a minimum of 7 days prior to tile installation.
2. Treat CBU joints with mesh-tape and thin-set per the CBU manufacturer’s instructions and allow materials to cure for 48 hours prior to tile installation.
3. Installing translucent glass tile over crack isolation/waterproof membranes or non-absorptive substrates is generally not recommended. (i.e., steam showers, coated glass mat gypsum and coated foam backer boards etc.)
4. Shower receptor floors require the waterproofing below the mortar bed be sloped ¼” per foot toward the drain and the weep holes be unobstructed per TCNA B414 and B415.
5. Solid blocking for the anchoring of fixtures, such as shower doors, towel bars and safety rails must be installed prior to installing the tile substrate.
6. For un-mounted glass tile, install horizontal, solid blocking in the framing at a maximum spacing of 36” on center and such that all edges of the CBU are continuously supported.
7. A vapor barrier membrane (asphalt laminated paper, 4 mil polyethylene, etc) is required behind CBU and mortar beds in wet or exterior applications.

**BUILDING SUBSTRATE FOR FLUSH INSTALLATION:**

To achieve a flush installation with Alma Collection adjacent to materials with a varying thickness, the substrate must first be brought up to a level such that the glass tile can be installed with the appropriate amount of thin-set. Keep in mind that installing glass tile over freshly built-up thin-set mortars could result in the glass cracking due to mortar shrinkage and sagging. Contact the setting goods manufacture for recommendations on prevention.

**INSTALLATION MATERIALS**

**WATERPROOFING MEMBRANES/CRACK ISOLATION:**

There are a variety of waterproofing membranes and crack isolation sheets available use in tile installations. Each product will vary in application, type and performance; ask the membrane manufacturer for specific limitations and recommendations. Here are some commonly used membrane materials:

1. LATICRETE: Hydro Ban
2. CUSTOM BUILDING PRODUCTS: RedGard
3. ARDEX: 8+9
4. TEC SPECIALTY PRODUCTS: HydraFlex
5. BOSTIK: GoldPlus
6. MAPEI: Mapelastic AquaDefense

**CAUTION:** The use of crack isolation/waterproof membranes directly behind the tile bond coat (thin-set) is not recommended when installing translucent glass tile.

**THIN-SET:**

Using specific bright white thin-sets will produce the best results when installing Alma Collection glass. Some products will vary in their degree of whiteness and color consistency. Some of the Alma Collection materials are translucent; the color of the thin-set being used will affect the finished appearance of translucent glass. The thin-sets listed are specifically designed for use with translucent glass tile and are usually marketed as “bright white”. Confirm the thin-set color is acceptable prior to installation. Larger projects may require multiple bags of thin-set, select a color controlled and check with manufacturer for bag to bag color consistency. For best results follow the manufacturer’s mixing instructions and measure liquid/powder to achieve maximum performance.

**ACCEPTABLE THIN-SETS:**

It is always recommended that you consult the thin-set manufacture to confirm suitable installation areas for each setting good product. The following list is for thin-set materials recommended for use in interior, exterior, dry and/ or intermittent wet installations. You must consult the manufacture to for recommendations in submerged applications. Organic Adhesives (mastic) are not recommended due to yellowing and low bond strength. Epoxy adhesives are generally not recommended however, in some applications they may be acceptable.

1. LATICRETE: Glass Tile Adhesive (Bright White)
2. CUSTOM BUILDING PRODUCTS: Glass Tile Premium Thin-set (Bag to Bag controlled, Bright White)
3. ARDEX: X77 Tile & Stone Mortar
4. TEC SPECIALTY PRODUCTS: Super Flex Thin-set Mortar
5. BOSTIK: Glass-Mate mixed with 425 Admixture (Bright White)
6. MAPEI: Adesilex P10 Bright White Thin-set Mortar mixed with Keraply Mortar Additive

**GROUT SELECTION:**

For grout recommendations it is best to consult with the thin-set/ mortar manufacture to determine which materials would work best with their substrate thin-set and the area of installation.

**Suggested grouts include but are not limited to:**

- Laticrete Permacolor Select
- Stainmaster Stain Proof Grout (Litokol Starlike)
- Bostik Dimensions

Description of usage symbols:

 Outdoors	 Low traffic floors	 Shower wall	 Steam room
 Indoors	 High traffic floors	 Shower pan	 Swimming pool

Pictures shown in the catalog are intended to be used as a guide only and may vary from an actual product. Please check tile samples before making final selections.

All installation materials should be used according to the manufacturer’s instructions. Please read grout and adhesive manufacturer’s instructions carefully and consult with licensed specialist before making a final choice on using any grout or adhesive in your specific application. It is the purchaser’s responsibility to consult specialists in the specific type of installation(s) for which the purchaser wants to use the mosaic for instructions and recommendations on procedures, tools and materials to be used in the installation of the mosaics including, but not limited to, selection and application of adhesives and grouting.

**Warning:**

Before grouting with Stainmaster Stain proof grout (Litokol Starlike), make sure that the joints are perfectly dry otherwise it will lead to white spots in the grout joints.

**MOVEMENT JOINTS:**

Movement joints contribute to the success of most tile installations. Recommendations can be found in the current edition of the TCNA Handbook for Ceramic, Glass and stone installation under Movement Joints EJ171. Movement joint requirements will vary based on the climate, type of substrate, size and area of installation. Consult with an architect or design professional when specifying the exact number and location of movement joints. Consult sealant manufacture for recommendations of use.

**MAINTENANCE**

Glass mosaic is durable and stain resistant, but care should be taken to maintain its lasting beauty. To maximize the life of your mosaic and retain its artistic integrity, please consider the following:

- Use only a mild, pH-neutral detergent cleaner and damp sponge or rag to clean your mosaic.
- Do not use acid, alkaline, and solvent-based cleaners. They can damage and/or discolor the tiles and the grout.
- Do not wax any part of your mosaic.
- Do not let stains sit on your mosaic’s surface for extended periods. Clean promptly.

**USAGE**

Glass mosaics may be installed in residential wet or dry vertical areas and floors. Some of our glass mosaics cannot be used in showers, submerged areas and steam rooms. Please refer to our Product Usage Areas Chart, which you can find at: [www.mir-mosaic.com](http://www.mir-mosaic.com).

**\*Use constitutes acceptance. MIR Mosaic makes no warranties, express or implied, including merchantability or fitness for a particular purpose. Purchaser’s remedy is limited to replacement or refunding the cost of defective material which has not been installed.**

**Disclaimer**

Information contained in this Guide is not intended to be a substitution of necessary preliminary tests. It is crucial to ensure that all the materials are suitable for the specific application. MIR Mosaic does not accept responsibility for the results obtained using methods beyond our control. It is the responsibility of the final user to determine the proper suitability of materials for the desired application. We strongly recommend that customer makes his own application test before final use of the product. It is the Buyer’s responsibility to consult a specialist in the Buyer’s area for any special installation and maintenance instructions or recommendations which may be applicable due to weather conditions, temperatures, water or chemical conditions present in the Buyer’s area. MIR Mosaic shall have no liability for changes in color, or shade of the Mosaic caused by stains or contamination or resulting from outside sources such as mildew, moss and etc.

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weight and dimensions	SOLID COLORS 0.6"	SOLID COLORS 0.8"	GM			SOLID COLORS AND MIXES 2"
	Nibble	FG Pearly Sandy Stella	GM 0.8	GM 0.6	GM 0.4	
chip size	0.6x0.6" (15x15mm)	0.8x0.8" (20x20 mm)	0.8x0.8" (20x20 mm)	0.6x0.6" (15x15mm)	0.4x0.4" (10x10 mm)	2x2" (48x48 mm)
thickness	~5/32" (~4 mm)	~5/32" (~4 mm)	~5/32" (~4 mm)	~5/32" (~4 mm)	~5/32" (~4 mm)	~5/32" (~4 mm)
sheet size	11.6x11.6" (295x295 mm)	12x12" (305x305 mm)	12x12" (305x305 mm)	11.6x11.6" (295x295 mm)	12.5x12.5" (318x318 mm)	12x12" (305x305 mm)
chip per sheet	324	196	196	324	841	36
joint	~1/16" (~1.5 mm)	~1/16" (~1.9 mm)	~1/16" (~1.9 mm)	~1/16" (~1.5 mm)	~1/32" (~1 mm)	~1/8" (~3 mm)
weight per sheet	~1.9 Lbs (~0.86 kg)	~1.9 Lbs (~0.86 kg)	~1.9 Lbs (~0.86 kg)	~1.9 Lbs (~0.86 kg)	~1.9 Lbs (~0.86 kg)	~1.9 Lbs (~0.86 kg)
sheets per carton	20	20	20	20	20	20
ft <sup>2</sup> per carton (m <sup>2</sup> /ctn)	18.69 ft <sup>2</sup> (1.74 m <sup>2</sup> )	20 ft <sup>2</sup> (1.86 m <sup>2</sup> )	20 ft <sup>2</sup> (1.86 m <sup>2</sup> )	18.69 ft <sup>2</sup> (1.74 m <sup>2</sup> )	21.7 ft <sup>2</sup> (2.02 m <sup>2</sup> )	20 ft <sup>2</sup> (1.86 m <sup>2</sup> )

TEST DATA

Nibble-Stella-Sandy-Pearly

TEST REPORT Report No.: F-99-040067-1

Sample Name	Glass mosaic				
Tests required	Physico-chemical properties, Radioactivity.				
Test method	GB/T 7697-1996 & GB 6566-2001 glass mosaic tiles (water absorption=0)				
Tests required	Unit	Technical requirement	Test results		
Colour and lustre	----	Basically identical	up to standard		
Physico-chemical properties	Bonding strength of glass mosaic/stick paper	----	No off	No off	
	Off paper	at 5 min	----	No off	
	time	at 40 min	%	≥ 70	100
	Thermo stability 90°C(30min) --> 18~25°C(10 min) Cycle 3 times	----	No flaw or breakage	up to standard	
	Chemical stability	HC1 solution (1 mol/L, 100°C, 4h)	%	≥ 99.90	99.99
	H2SO4 solution (1 mol/L, 100°C, 4h)	%	≥ 99.93	99.99	
	NaOH solution (1 mol/L, 100°C, 1h)	%	≥ 99.88	99.98	
	Distilled water (100°C, 4h)	%	≥ 99.96	100	
A decorative materials	Internal exposure index ≤ 1.0			0.6	
	External exposure index ≤ 1.3			0.6	

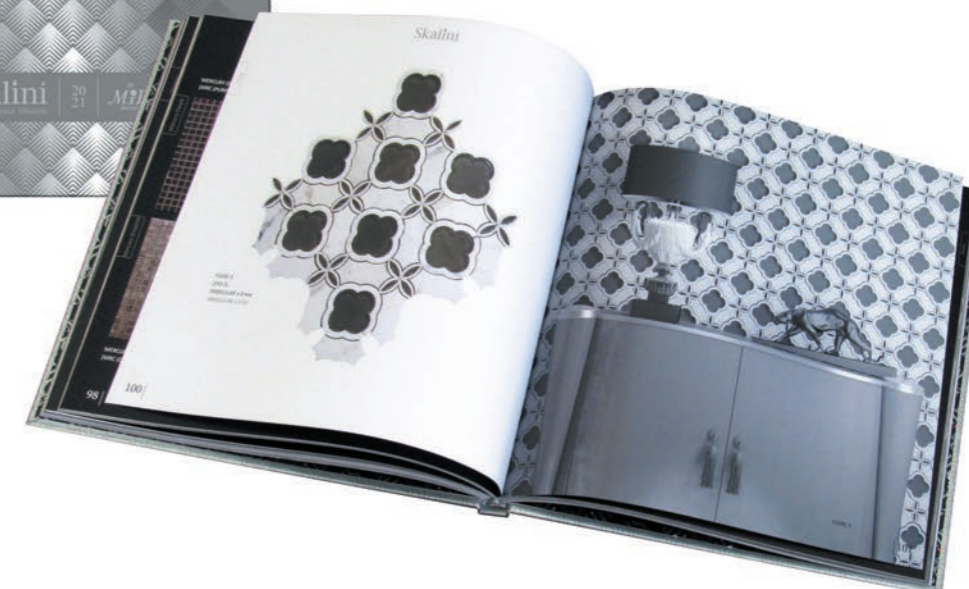
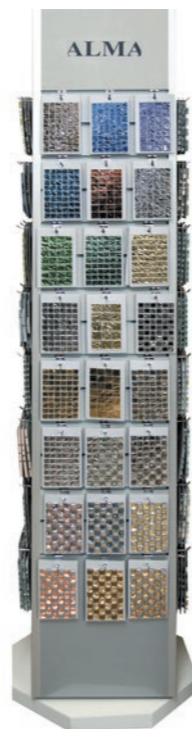
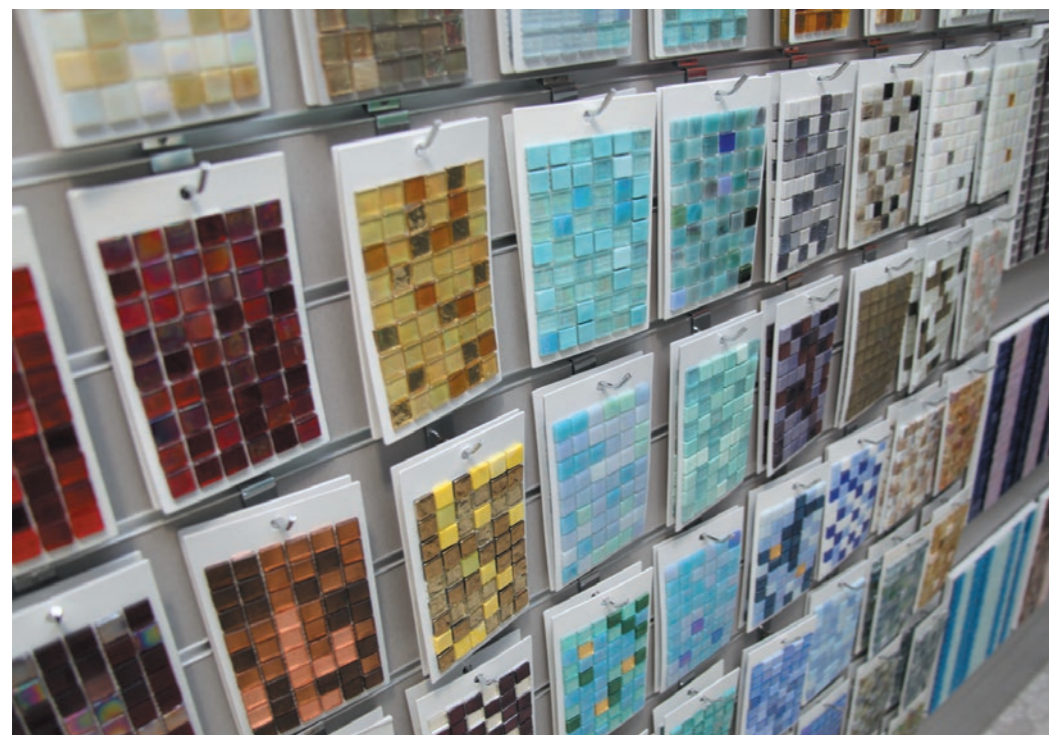
A	ADI-01.....4, 5	ADI-02.....4	ADI-03.....4	AHB-01.....10	AHB-02.....10, 11	AHB-03.....10	AHB-04.....8	AHB-05.....8	AHB-06.....8	AHX-01.....6, 7	AHX-02.....6	AHX-03.....6	AHX-04.....6	AHX-05.....6	AHX-06.....6	AHX-07.....8	AHX-08.....8	AHX-20.....10	AHX-21.....10	AHX-22.....10	AHX-23.....8, 9	AP-09.....84	AP-12.....85	AP-018.....80, 81	AP-018G.....82, 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# NaturaL Skalini





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