



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

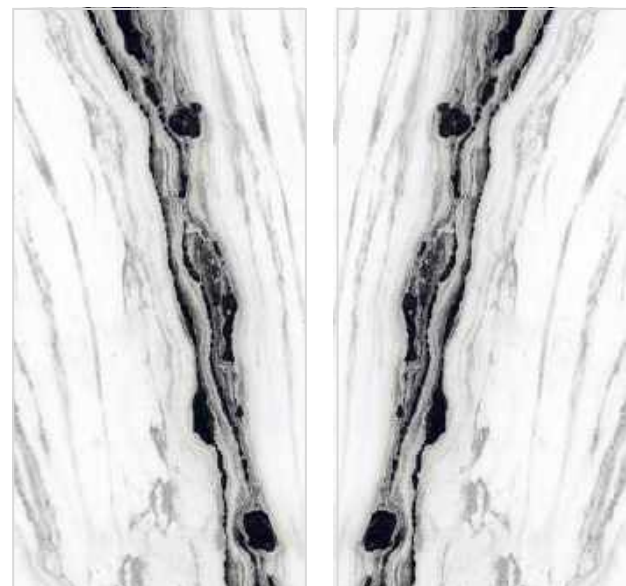
Polish Finish

Matt Finish

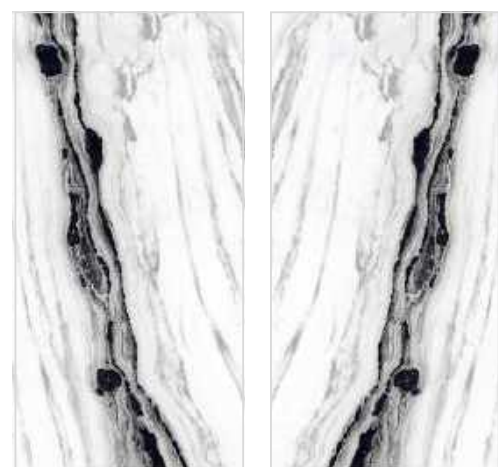
9mm Thickness



# RP1001 PANDA



FACES 48"X96" | BOOKMATCH



FACES 32"X64" | BOOKMATCH



FACES 48"X48" | BOOKMATCH



FACES 32"X32" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | PANDA (48X96)



WALL & FLOOR | PANDA (48X48)



WALL & FLOOR | PANDA (32X64)



WALL & FLOOR | PANDA (32X32)

Polish Finish

Matt Finish

9mm Thickness



# RP1003 STATUARIO



FACES 48"X96" | CONTINUOUS



FACES 32"X64" | RANDOM



FACES 48"X48" | BOOKMATCH



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | STATUARIO (48X96)



WALL & FLOOR | STATUARIO (48X48)



WALL & FLOOR | STATUARIO (32X64)

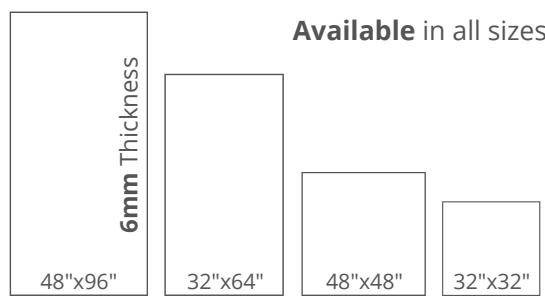


WALL & FLOOR | STATUARIO (32X32)

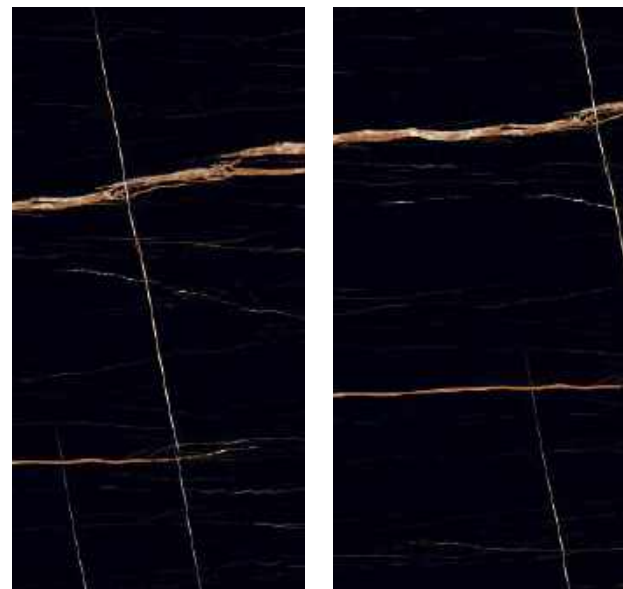
Polish Finish

Matt Finish

9mm Thickness



# RP1004 SAHARA BLACK



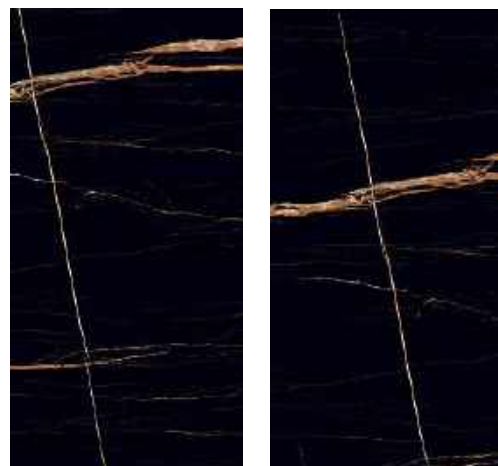
FACES 48"X96" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



WALL | SAHARA BLACK (48X96)



FLOOR | SAHARA BLACK (48X48)



WALL | SAHARA BLACK (32X64)



WALL | SAHARA BLACK (32X32)

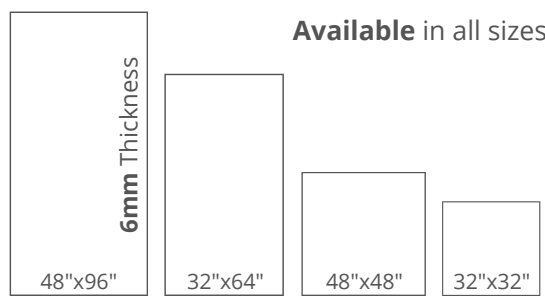


THE LARGE FORMAT PORCELAIN SPECIALISTS

 Polish Finish

 Matt Finish

 9mm Thickness



## RP1005 ROCK ICE



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | ROCK ICE (48X96)



WALL | ROCK ICE (48X48)



FLOOR | ROCK ICE (32X64)

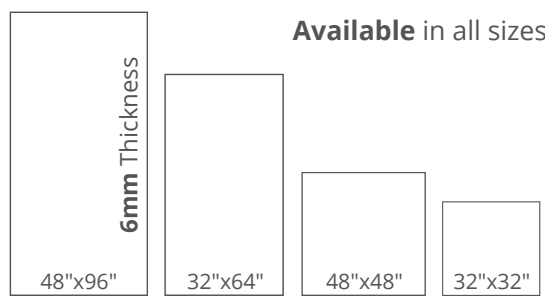


WALL & FLOOR | ROCK ICE (32X32)

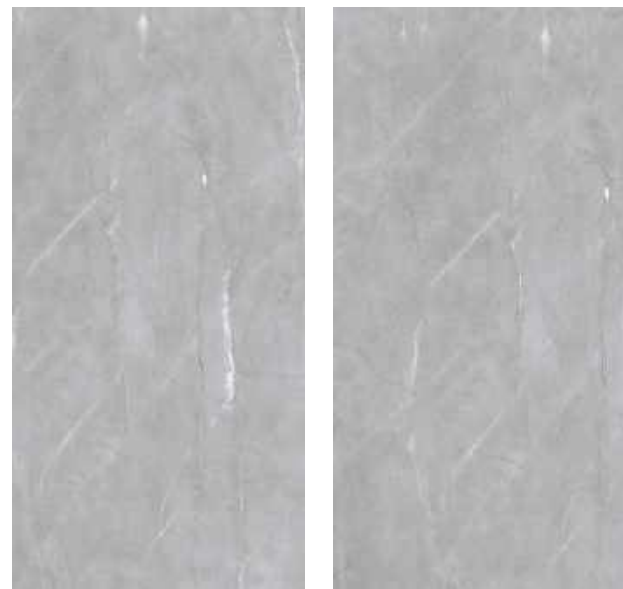
 Polish Finish

 Matt Finish

 9mm Thickness



## RP1007 ARMANI GREY



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | ARMANI GREY (48X96)



FLOOR | ARMANI GREY (48X48)



WALL | ARMANI GREY (32X64)



FLOOR | ARMANI GREY (32X32)

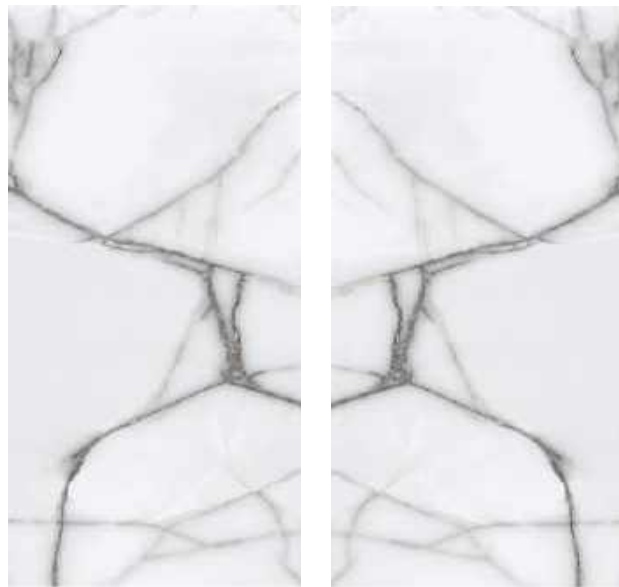
 **Polish Finish**

 **Matt Finish**

 **9mm Thickness**



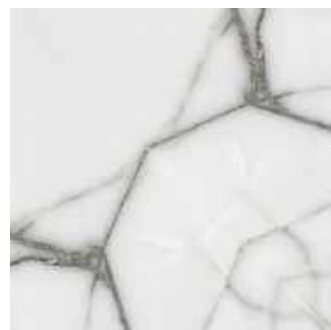
## RP1009 CALACATTA SPIDER



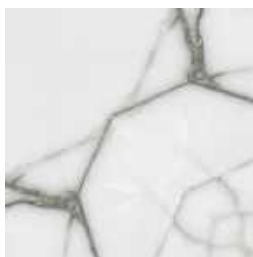
FACES 48"X96" | BOOKMATCH



FACES 32"X64" | RANDOM



FACE 48"X48" | BOOKMATCH



FACE 32"X32" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | CALACATTA SPIDER (48X96)



WALL & FLOOR | CALACATTA SPIDER (48X48)



WALL | CALACATTA SPIDER (32X64)



WALL & FLOOR | CALACATTA SPIDER (32X32)

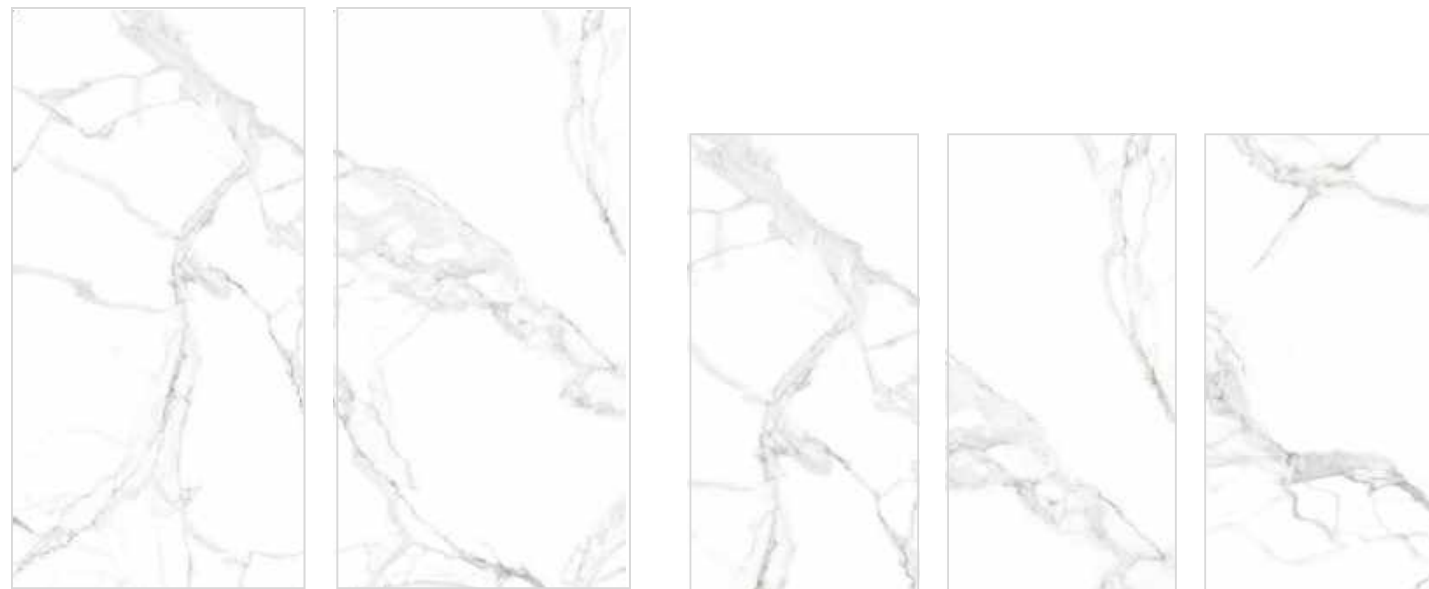
 **Polish Finish**

 **Matt Finish**

 **9mm Thickness**



## RP1010 CALACATTA VENICE



FACES 48"X96" | CONTINUOUS

FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | CALACATTA VENICE (48X96)



WALL & FLOOR | CALACATTA VENICE (48X48)



WALL | CALACATTA VENICE (32X64)



FLOOR | CALACATTA VENICE (32X32)



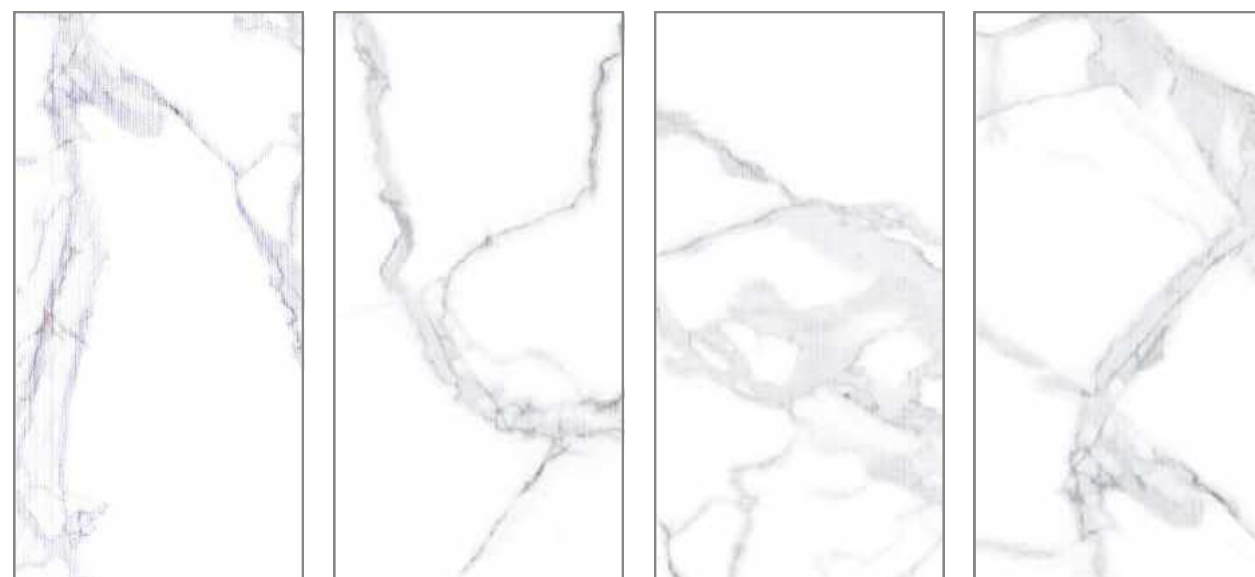
Available sizes

 DECO Finish

 9mm Thickness

32"x64"

## RP1010 CALACATTA VENICE DECO



FACES 32"x64" | RANDOM



CLOSE UP | DECO FINISH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | CALACATTA VENICE DECO (32x64)

-  Polish Finish
-  Matt Finish
-  6mm Thickness



48"x96"

Available size

## RP1011 DIAMANTE COMBO



FACES 48"x96" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | DIAMANTE COMBO (48X96)

Polish Finish

Matt Finish

9mm Thickness



# RP1012 ARMANI CREMA



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | ARMANI CREMA (48X96)



FLOOR | ARMANI CREMA (48X48)



WALL & FLOOR | ARMANI CREMA (32X64)

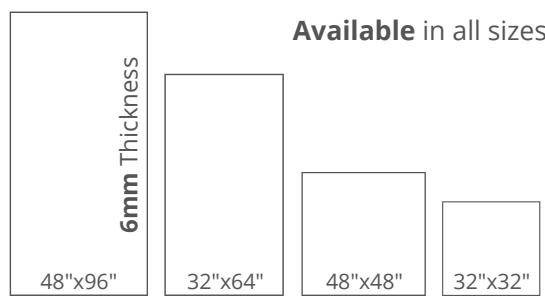


WALL & FLOOR | ARMANI CREMA (32X32)

Polish Finish

Matt Finish

9mm Thickness



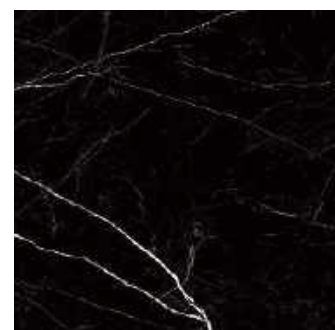
# RP1013 NERO MARQUINA



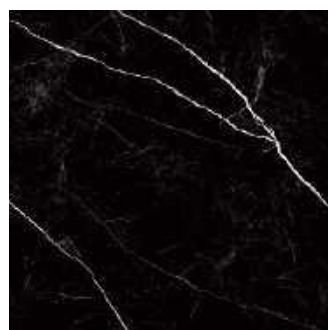
FACES 48"X96" | RANDOM



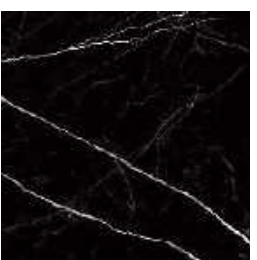
FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | NERO MARQUINA (48X96)



FLOOR | NERO MARQUINA (48X48)



WALL & FLOOR | NERO MARQUINA (32X64)



WALL & FLOOR | NERO MARQUINA (32X32)

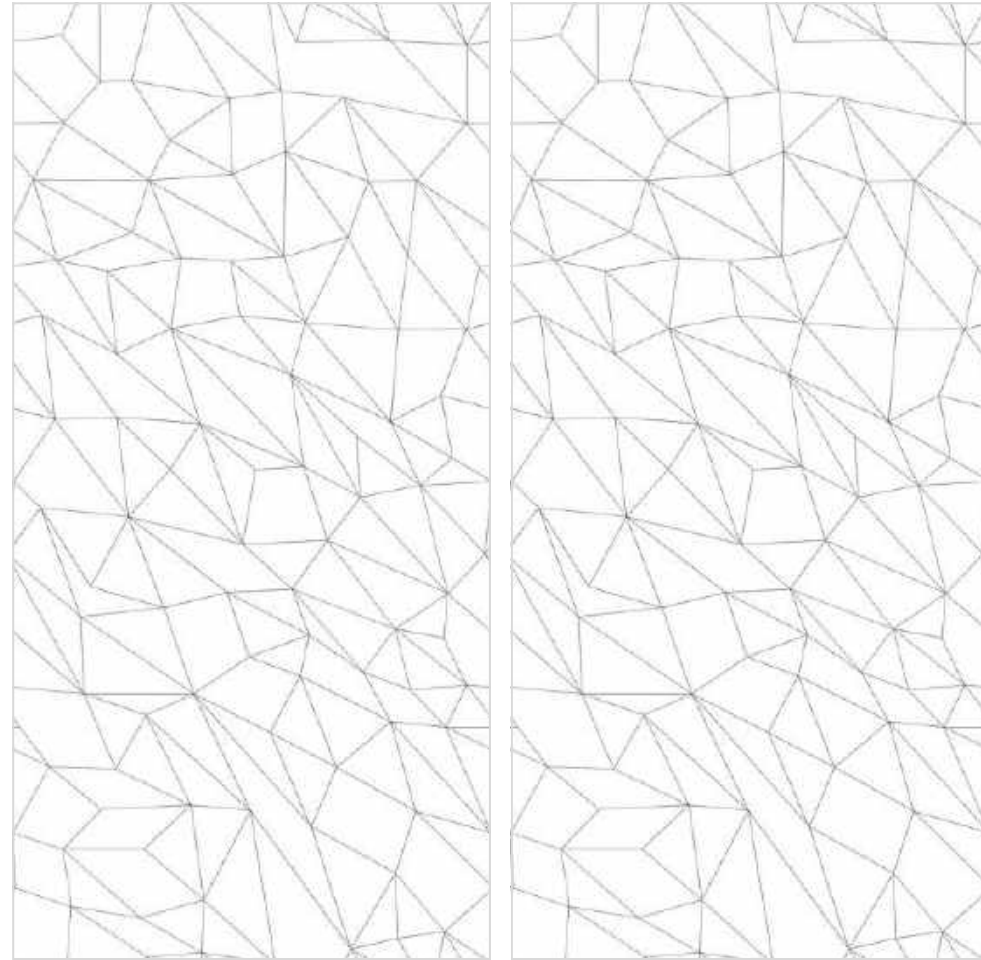
-  Polish Finish
-  Matt Finish
-  6mm Thickness



Available size

48"x96"

## RP1015 COSMOS BIANCO



FACE 48"X96" | BOOKMATCH



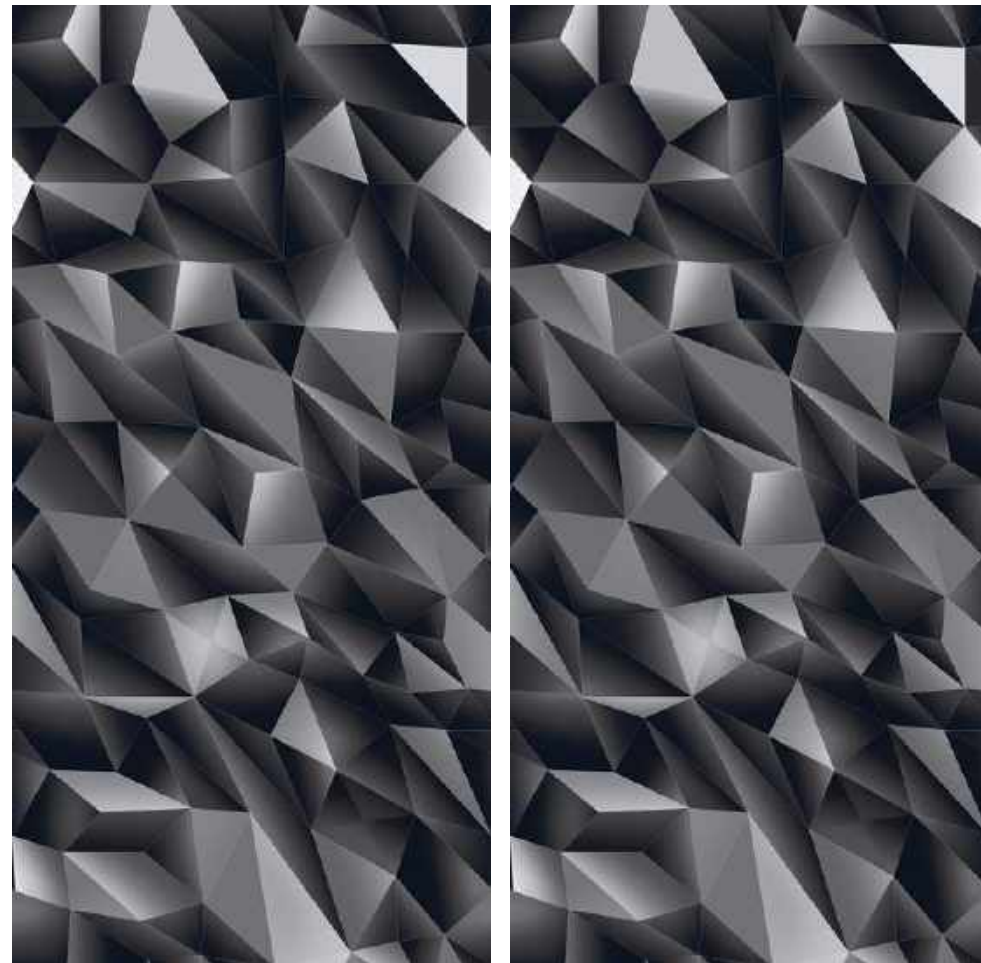
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL | COSMOS BIANCO (48X96)

-  Polish Finish
-  Matt Finish
-  6mm Thickness



# RP1016 COSMOS NEGRO



FACES 48"X96" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL | COSMOS NEGRO (48X96)

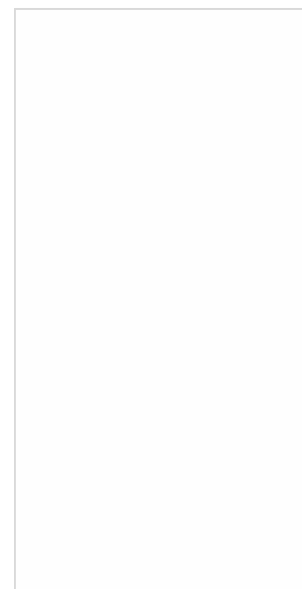
 Polish Finish

 Matt Finish

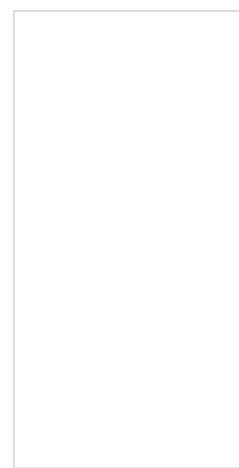
 9mm Thickness



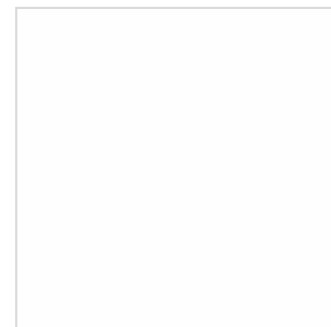
## RP1017 LEA BLANCO



FACE 48"X96" | SOLID



FACE 32"X64" | SOLID



FACE 48"X48" | SOLID



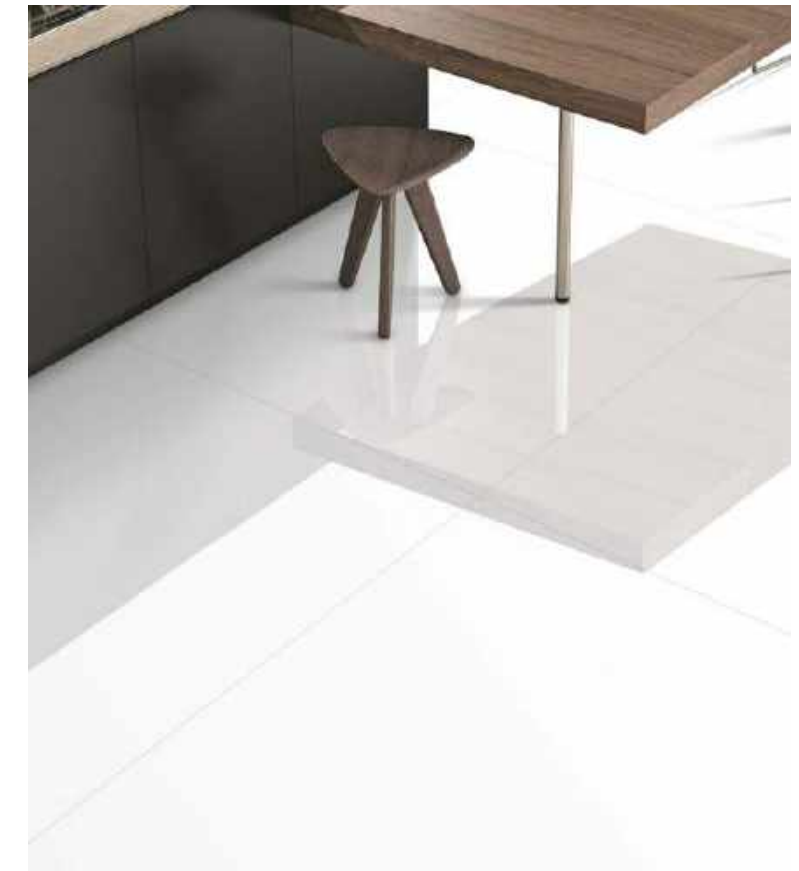
FACE 32"X32" | SOLID



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



FLOOR | LEA BLANCO (48X96)



FLOOR | LEA BLANCO (48X48)



WALL & FLOOR | LEA BLANCO (32X64)

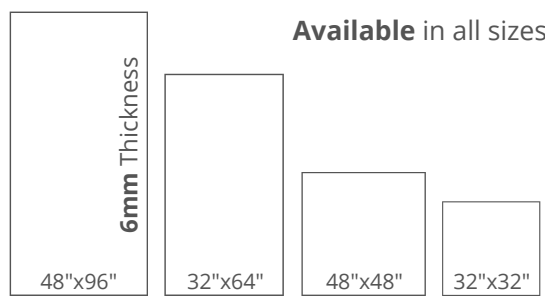


FLOOR | LEA BLANCO (32X32)

 **Polish Finish**

 **Matt Finish**

 **9mm Thickness**



## RP1018 PIETRA BLANCO



FACES 48"X96" | CONTINUOUS



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | PIETRA BLANCO (48X96)



WALL & FLOOR | PIETRA BLANCO (48X48)



WALL & FLOOR | PIETRA BLANCO (32X64)



FLOOR | PIETRA BLANCO (32X32)



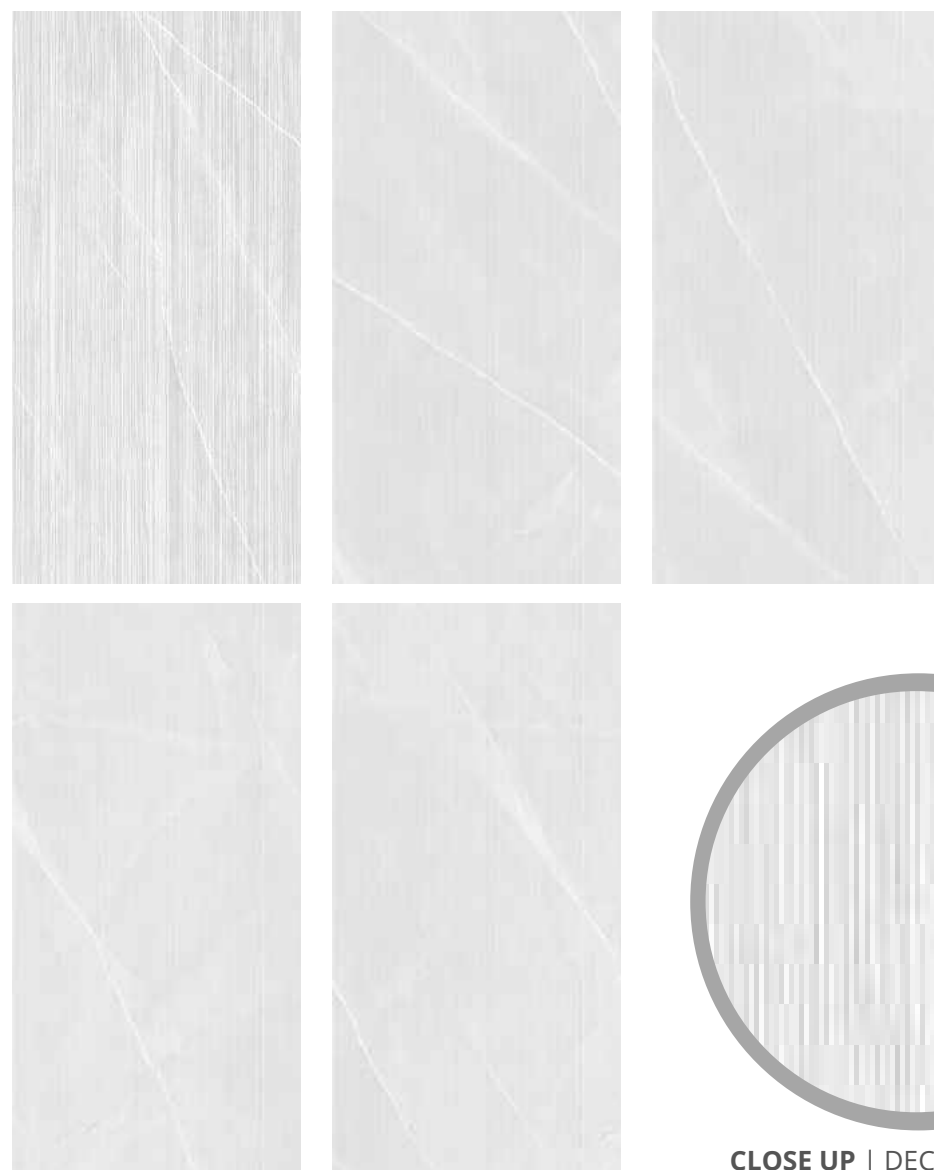
Available sizes

 DECO Finish

 9mm Thickness



# RP1018 PIETRA BIANCO DECO



CLOSE UP | DECO FINISH

FACES 32"x64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | PIETRA BIANCO DECO (32x64)

 **Polish Finish**

 **Matt Finish**

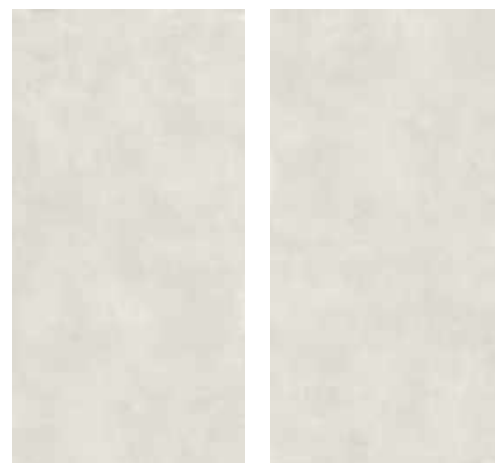
 **9mm Thickness**



## RP1022 VINTAGE ALMENDRA



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | VINTAGE ALMENDRA (48X96)



WALL & FLOOR | VINTAGE ALMENDRA (48X48)



WALL | VINTAGE ALMENDRA (32X64)



FLOOR | VINTAGE ALMENDRA (32X32)

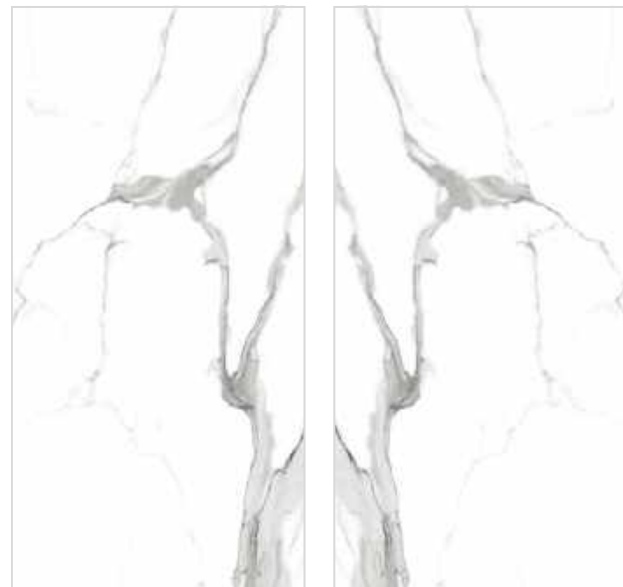
 **Polish Finish**

 **Matt Finish**

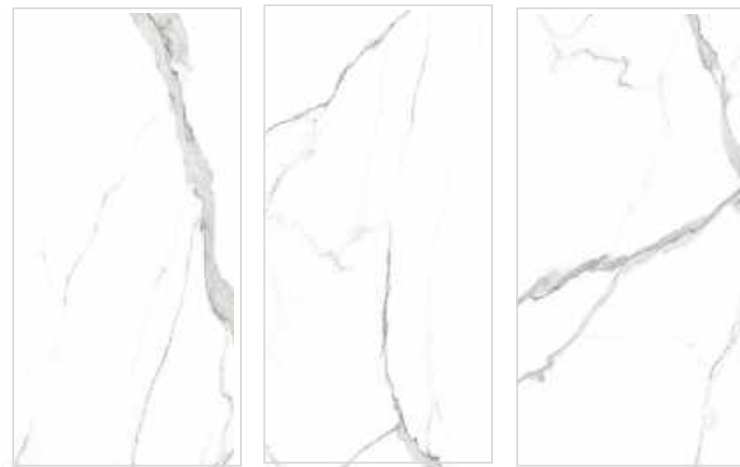
 **9mm Thickness**



## RP1027 STATUARIO CLASSICO



FACES 48"X96" | BOOKMATCH



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | STATUARIO CLASSICO (48X96)



WALL & FLOOR | STATUARIO CLASSICO (48X48)



WALL & FLOOR | STATUARIO CLASSICO (32X64)



FLOOR | STATUARIO CLASSICO (32X32)

Polish Finish

Matt Finish

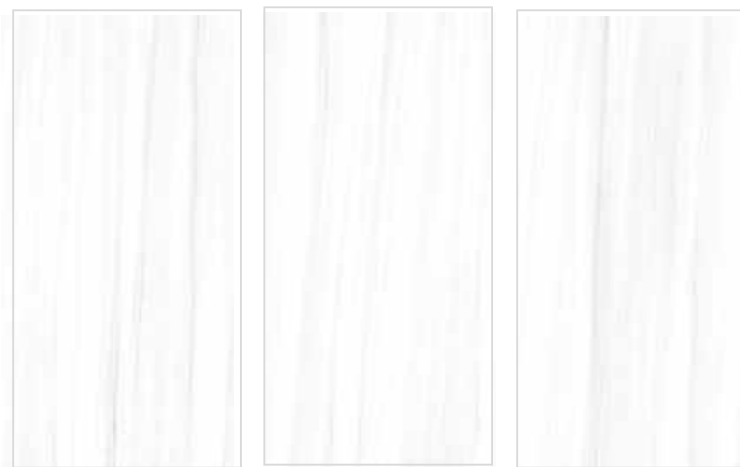
9mm Thickness



# RP1028 BIANCO DOLOMITI



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | BIANCO DOLOMITI (48X96)



FLOOR | BIANCO DOLOMITI (48X48)



WALL & FLOOR | BIANCO DOLOMITI (32X64)



FLOOR | BIANCO DOLOMITI (32X32)

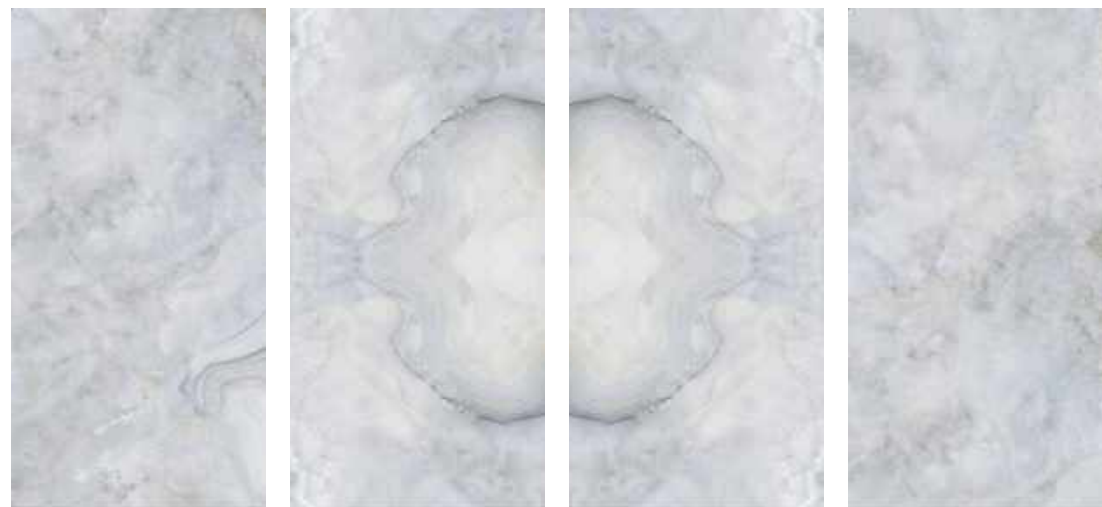
Polish Finish

Matt Finish

9mm Thickness



# RP1029 BLUE AGATE ONYX



FACES 48"X96" | BOOKMATCH



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | BLUE AGATE ONYX (48X96)



WALL & FLOOR | BLUE AGATE ONYX (48X48)



WALL & FLOOR | BLUE AGATE ONYX (32X64)



FLOOR | BLUE AGATE ONYX (32X32)

Available sizes

 DECO Finish

 9mm Thickness



## RP1029 BLUE AGATE ONYX DECO

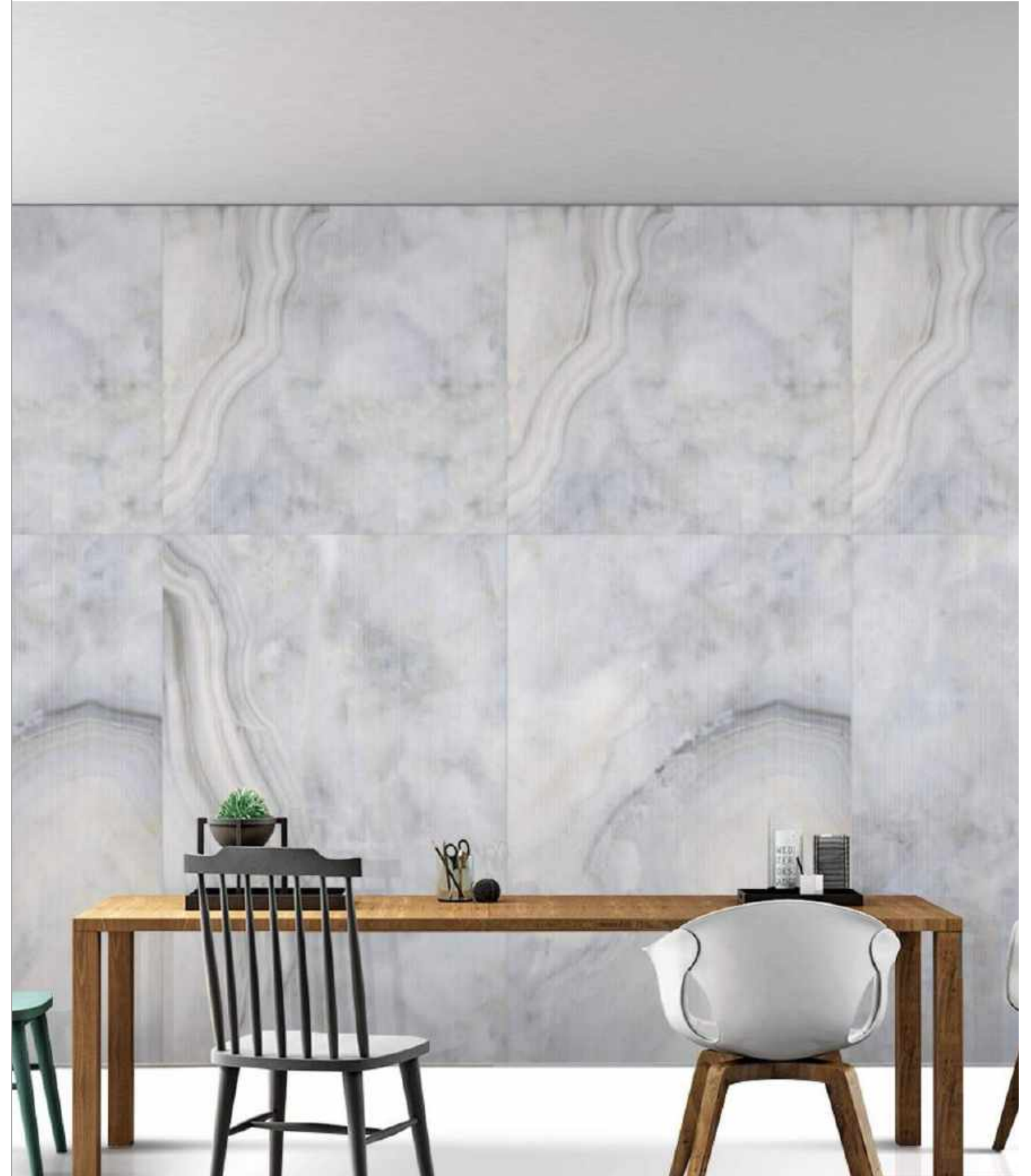


CLOSE UP | DECO FINISH

FACES 32"x64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | BLUE AGATE ONYX DECO (32x64)

Polish Finish

Matt Finish

9mm Thickness



# RP1030 GOLD AGATE ONYX



FACES 48"X96" | BOOKMATCH



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | GOLD AGATE ONYX (48X96)



FLOOR | GOLD AGATE ONYX (48X48)



WALL & FLOOR | GOLD AGATE ONYX (32X64)



WALL & FLOOR | GOLD AGATE ONYX (32X32)

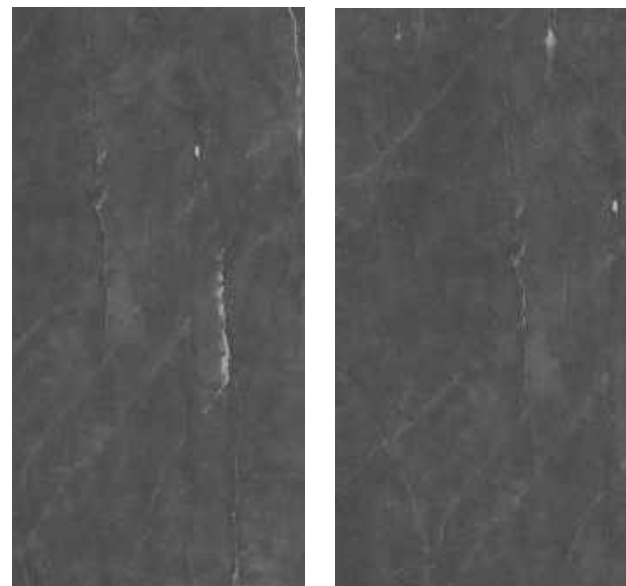
Polish Finish

Matt Finish

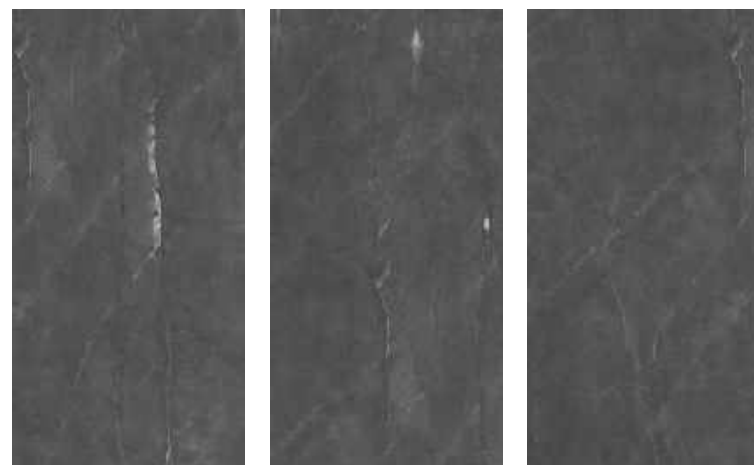
9mm Thickness



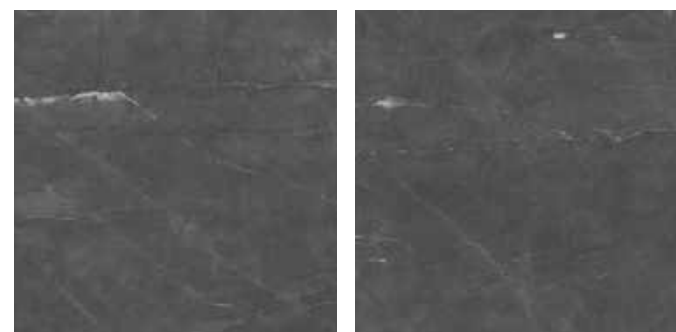
# RP1038 ARMANI GRIS



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | ARMANI GRIS (48X96)



FLOOR | ARMANI GRIS (48X48)



WALL & FLOOR | ARMANI GRIS (32X64)



FLOOR | ARMANI GRIS (32X32)



**Matt Finish**

**9mm Thickness**

Available size

32"x32"

# RP1043 TERRAZO LIGHT GREY



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

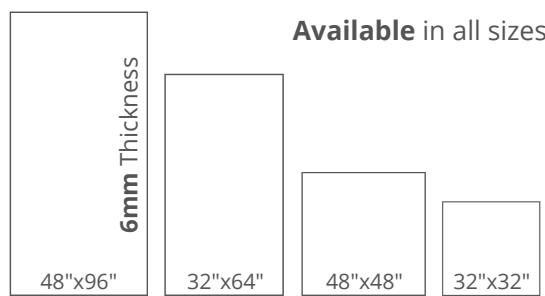


WALL & FLOOR | TERRAZO LIGHT GREY (32X32)

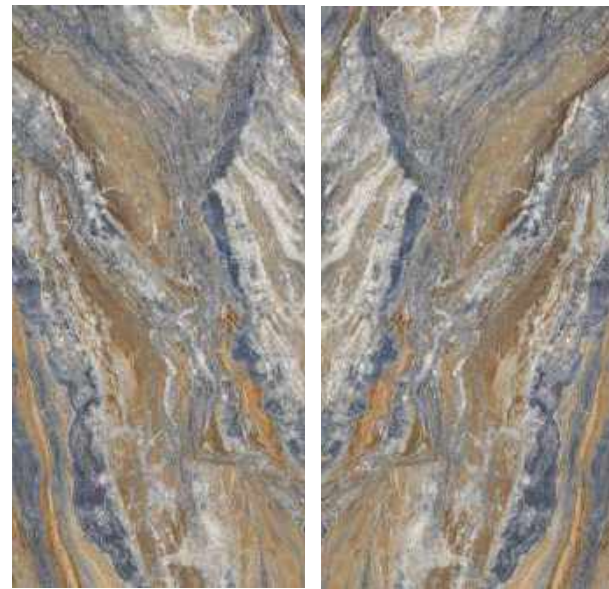
 **Polish Finish**

 **Matt Finish**

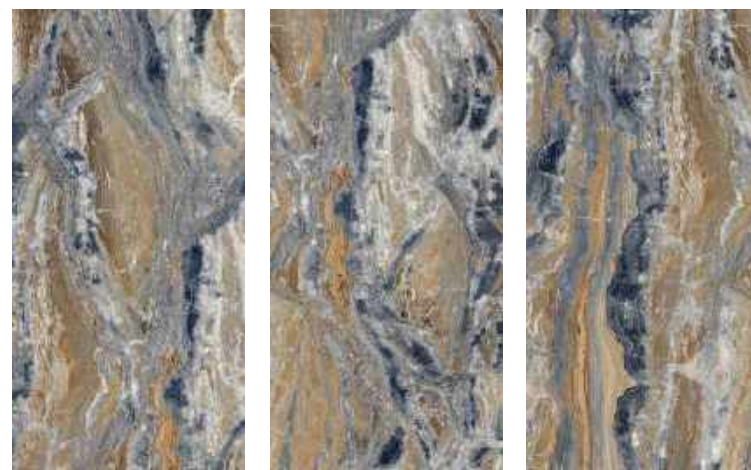
 **9mm Thickness**



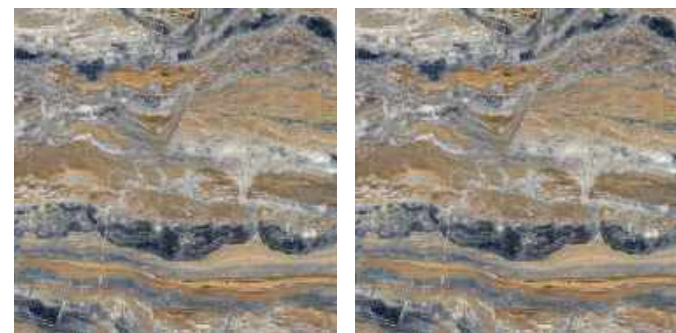
# RP1046 OPERA AZUL



FACES 48"X96" | BOOKMATCH



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | OPERA AZUL (48X96)



FLOOR | OPERA AZUL (48X48)



WALL | OPERA AZUL (32X64)



WALL & FLOOR | OPERA AZUL (32X32)

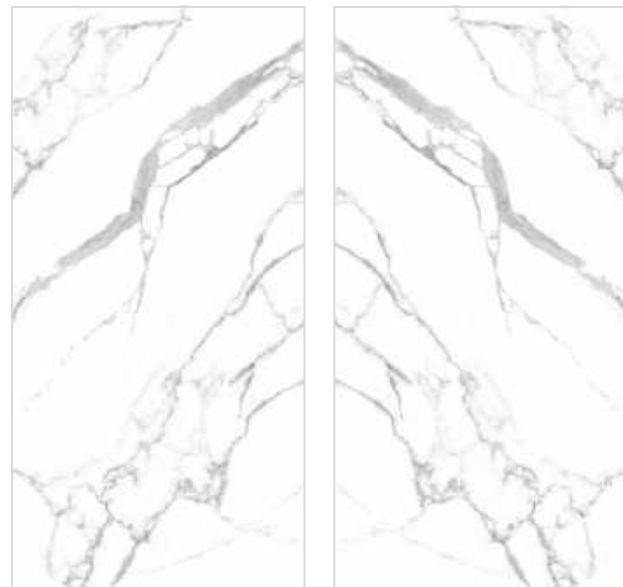
 **Polish Finish**

 **Matt Finish**

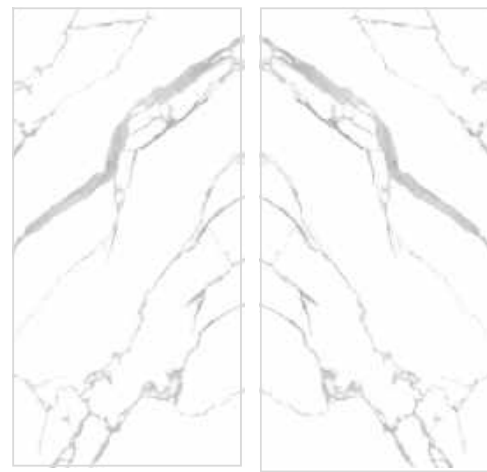
 **9mm Thickness**



## RP1047 CALACATTA ITALIA



FACES 48"X96" | BOOKMATCH



FACES 32"X64" | BOOKMATCH



FACES 48"X48" | BOOKMATCH



FACES 32"X32" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | CALACATTA ITALIA (48X96)



WALL & FLOOR | CALACATTA ITALIA (48X48)




WALL | CALACATTA ITALIA (32X64)



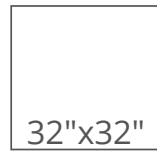
WALL & FLOOR | CALACATTA ITALIA (32X32)

 Polish Finish

 Matt Finish

 9mm Thickness

Available size

 32"x32"

## RP1048 FIRE BLACK




FACES 32"x32" | BOOKMATCH



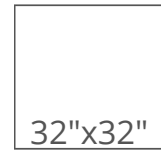
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | FIRE BLACK (32X32)

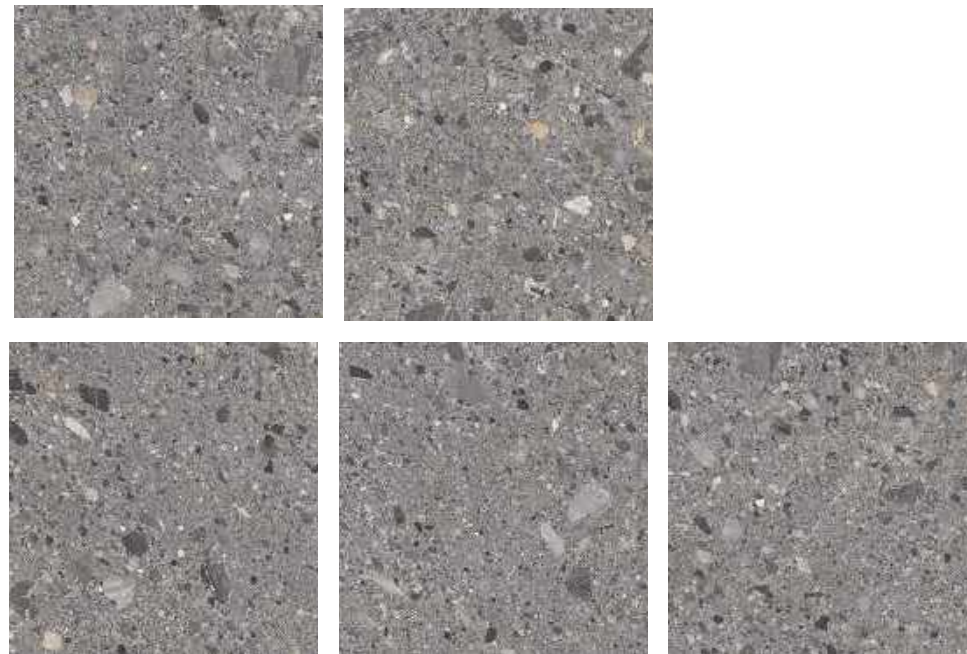
 Matt Finish

 9mm Thickness

Available size

  
32"x32"

# RP1053 TERRAZO DARK GREY



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

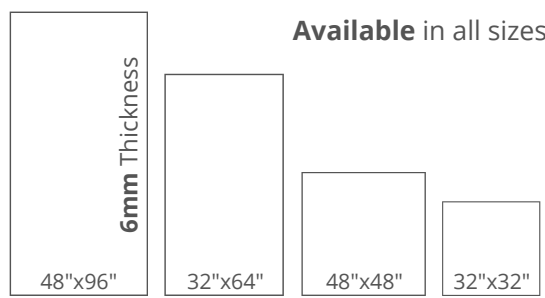


FLOOR | TERRAZO DARK GREY (32X32)

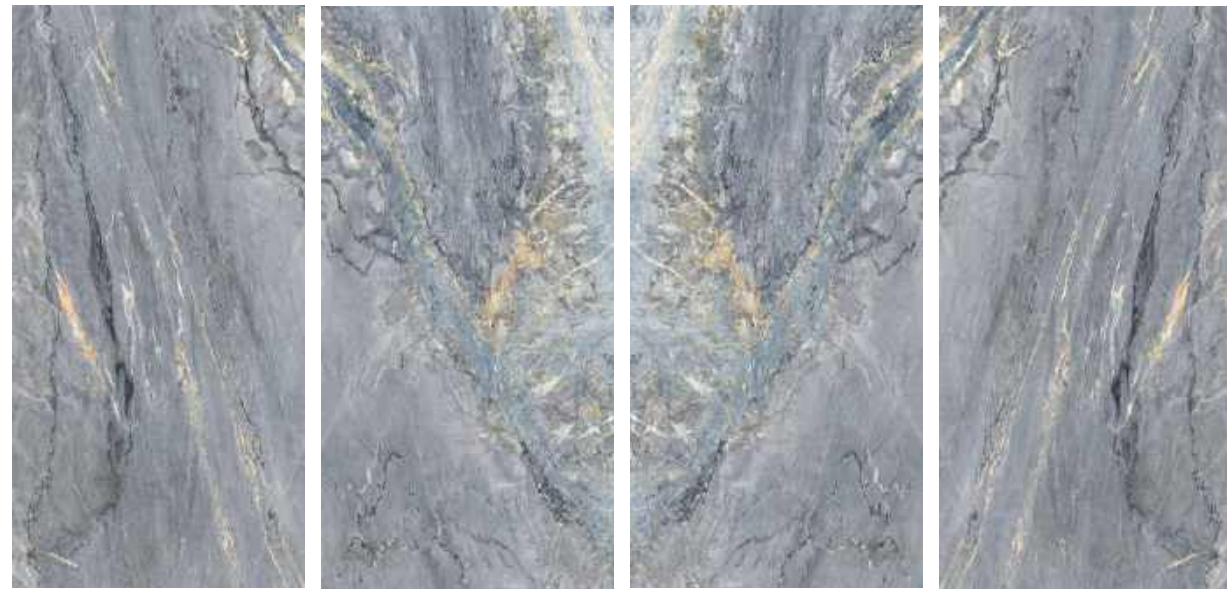
Polish Finish

Matt Finish

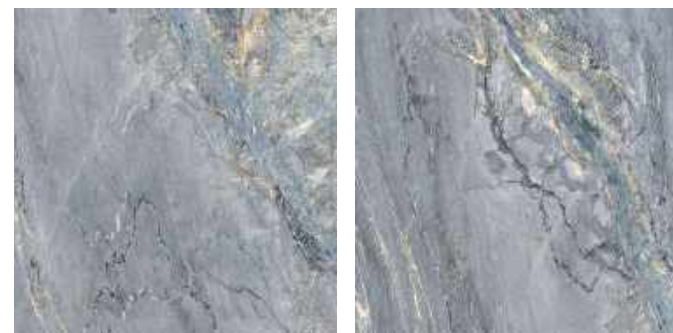
9mm Thickness



# RP1054 BARDIGLIO



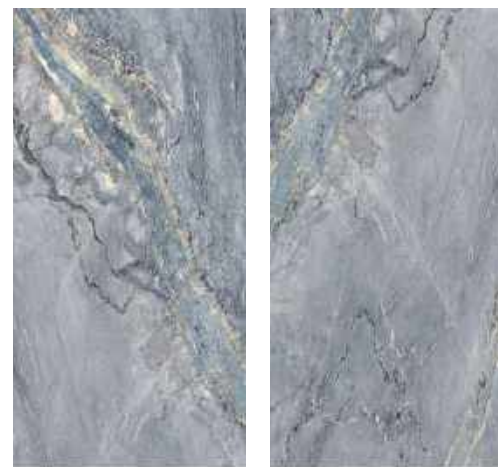
FACES 48"X96" | BOOKMATCH



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | BARDIGLIO (48X96)



FLOOR | BARDIGLIO (48X48)



WALL | BARDIGLIO (32X64)



WALL & FLOOR | BARDIGLIO (32X32)

**Matt Finish**

**9mm Thickness**

Available size

32"x32"

# RP1063 CERCHIO INNOTTONE






FACE 32"x32" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | CERCHIO INNOTTONE (32X32)

Powered by Tilecloud

-  Polish Finish
  -  Matt Finish
  -  9mm Thickness
- Available size
- 32"x32"

## RP1064 NASTRO INNOTTONE



FACE 32"x32" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS




FLOOR | NASTRO INNOTTONE (32X32)



 Polish Finish

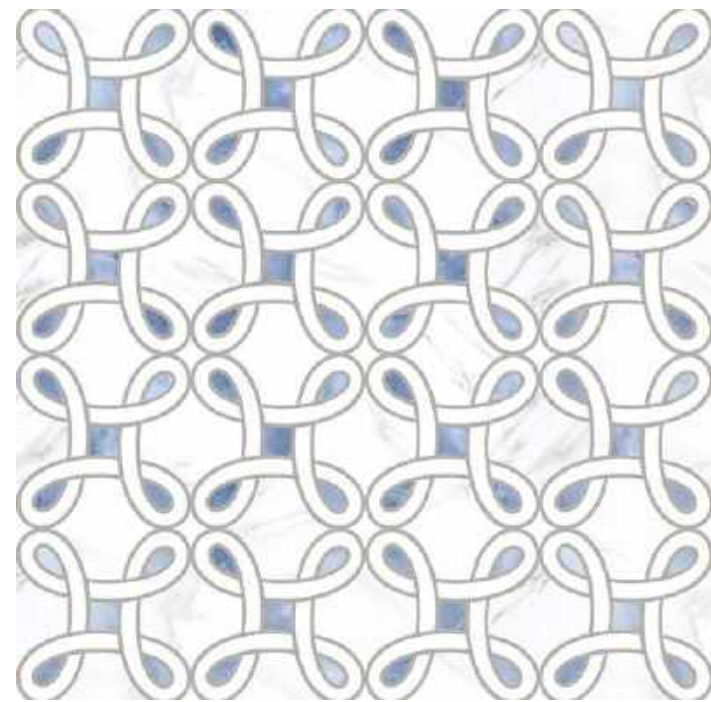
 Matt Finish

 9mm Thickness

Available size

32"x32"

## RP1065 AZUL BAHIA TWIST




FACE 32"x32" | BOOKMATCH



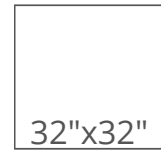
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | AZUL BAHIA TWIST (32X32)

 Matt Finish

 9mm Thickness

Available size

 32"x32"

## RP1067 NERO HEXAGON




FACE 32"x32" | BOOKMATCH



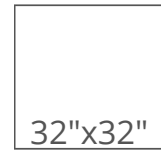
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | NERO HEXAGON (32X32)

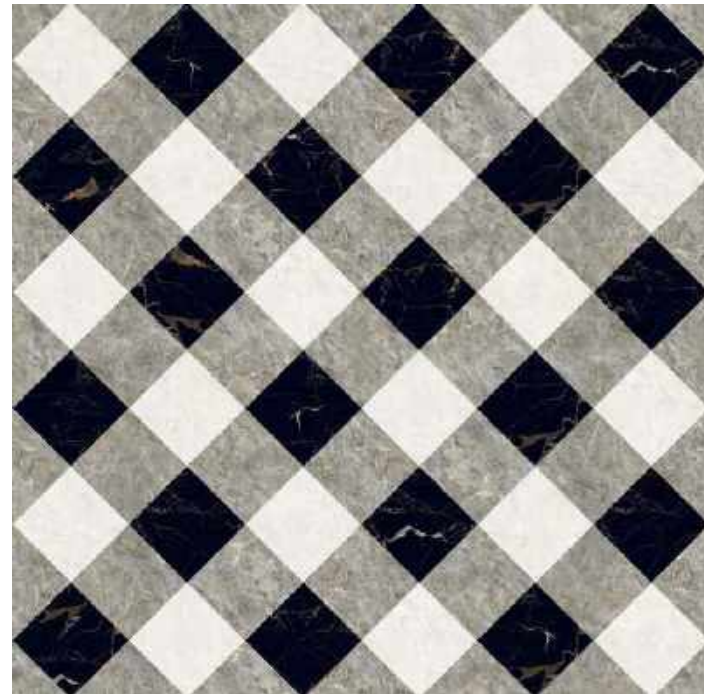
 Matt Finish

 9mm Thickness

Available size

  
32"x32"

## RP1068 BWG BURB



FACE 32"x32" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



FLOOR | BWG BURB (32X32)

Polish Finish

Matt Finish

9mm Thickness



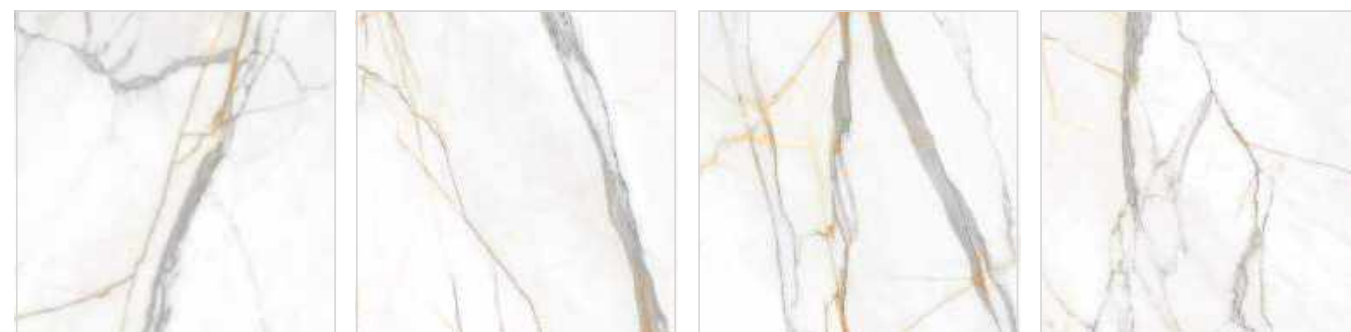
# RP1071 CALACATTA BORGHINI



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | CALACATTA BORGHINI (48X96)



FLOOR | CALACATTA BORGHINI (48X48)



WALL & FLOOR | CALACATTA BORGHINI (32X64)

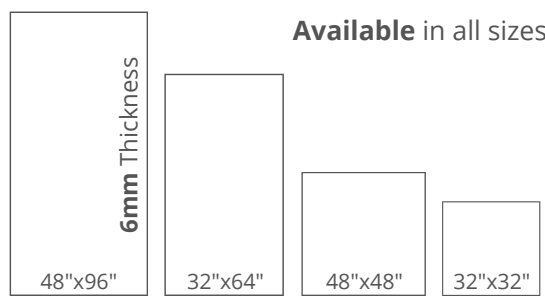


WALL & FLOOR | CALACATTA BORGHINI (32X32)

Polish Finish

Matt Finish

9mm Thickness



# RP1072 CALACATTA UDI



FACES 48"X96" | CONTINUOUS



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | CALACATTA UDI (48X96)



WALL & FLOOR | CALACATTA UDI (48X48)



WALL & FLOOR | CALACATTA UDI (32X64)



WALL & FLOOR | CALACATTA UDI (32X32)

Available sizes

 DECO Finish

 9mm Thickness

24"x48"

## RP1088 CALACATTA UDI DECO



FACES 24"X48" | RANDOM



CLOSE UP | DECO FINISH




THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | CALACATTA UDI DECO (24X48)

 **Polish Finish**

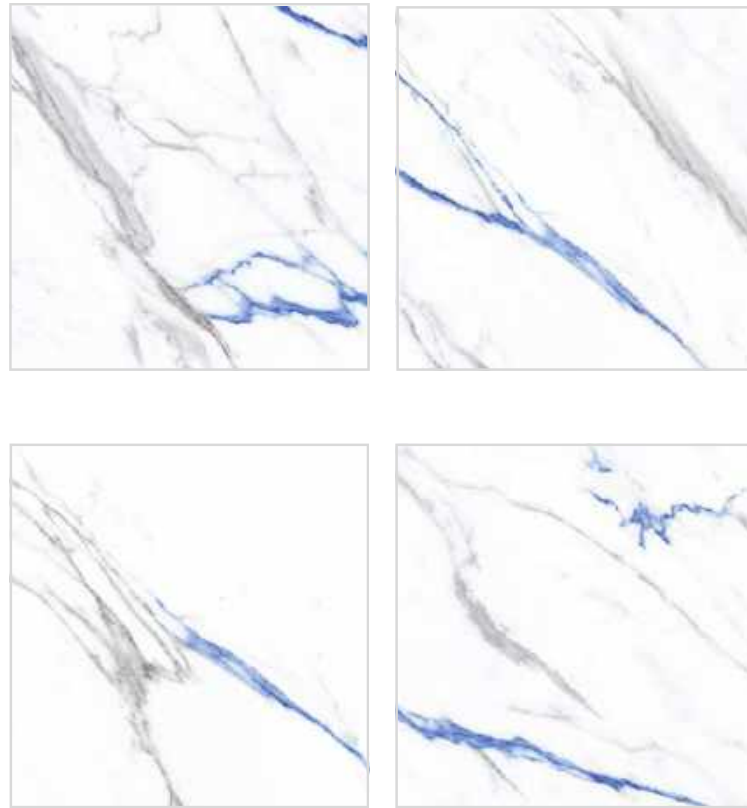
 **Matt Finish**

 **9mm Thickness**

Available size

32"x32"

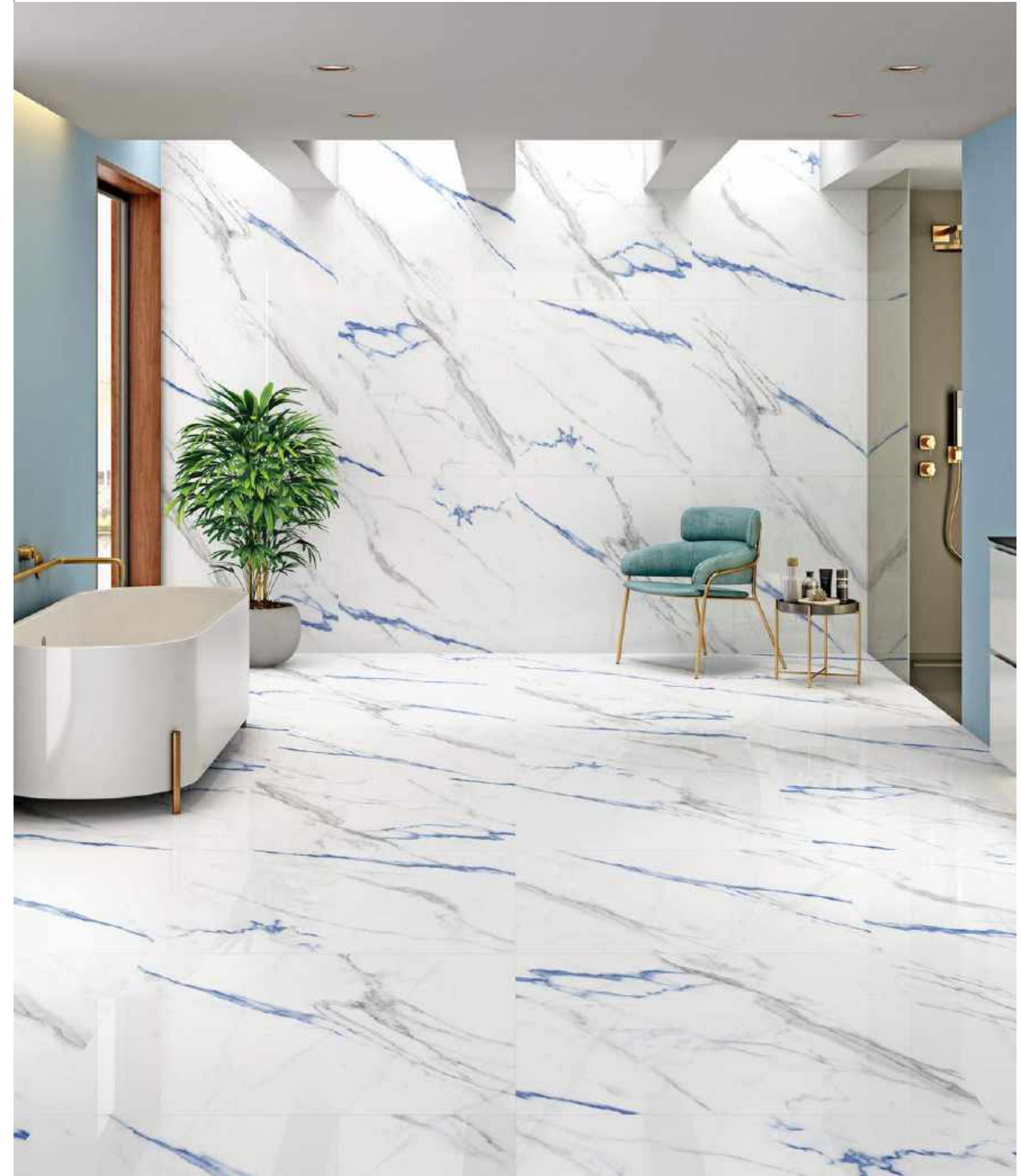
## RP1073 CALACATTA BLUE



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | CALACATTA BLUE (32X32)

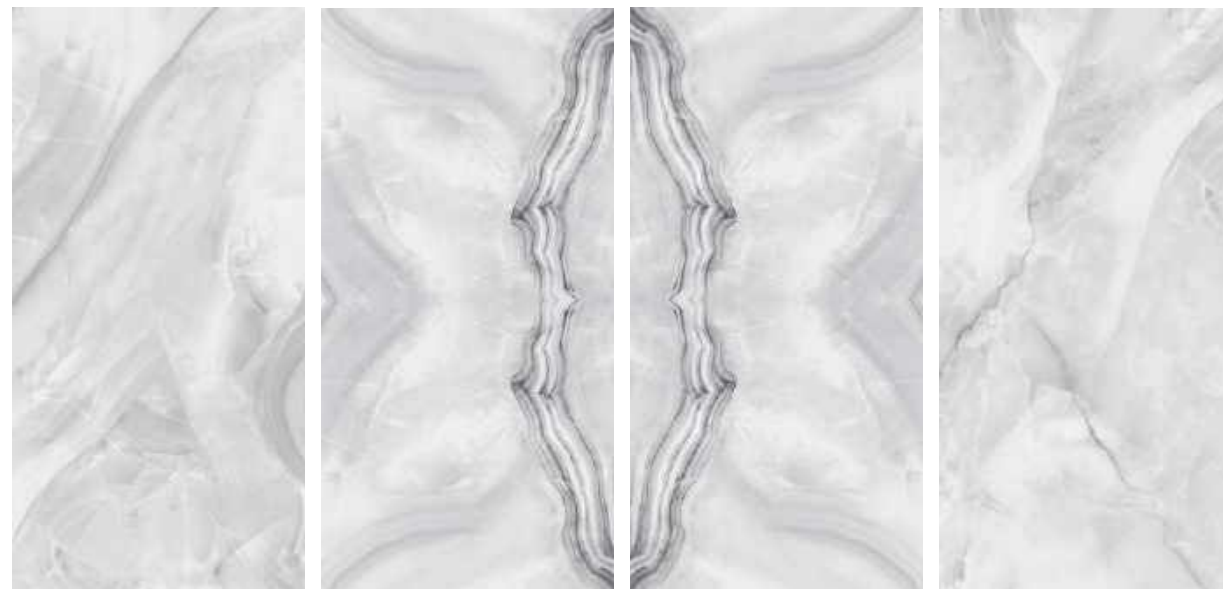
 **Polish Finish**

 **Matt Finish**

 **9mm Thickness**



## RP1079 AGATE GREY



FACES 48"X96" | BOOKMATCH



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | AGATE GREY (48X96)



FLOOR | AGATE GREY (48X48)



WALL & FLOOR | AGATE GREY (32X64)



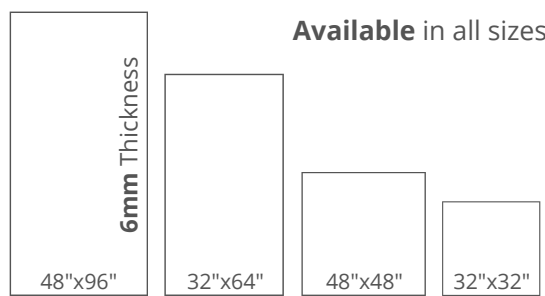
WALL | AGATE GREY (32X32)



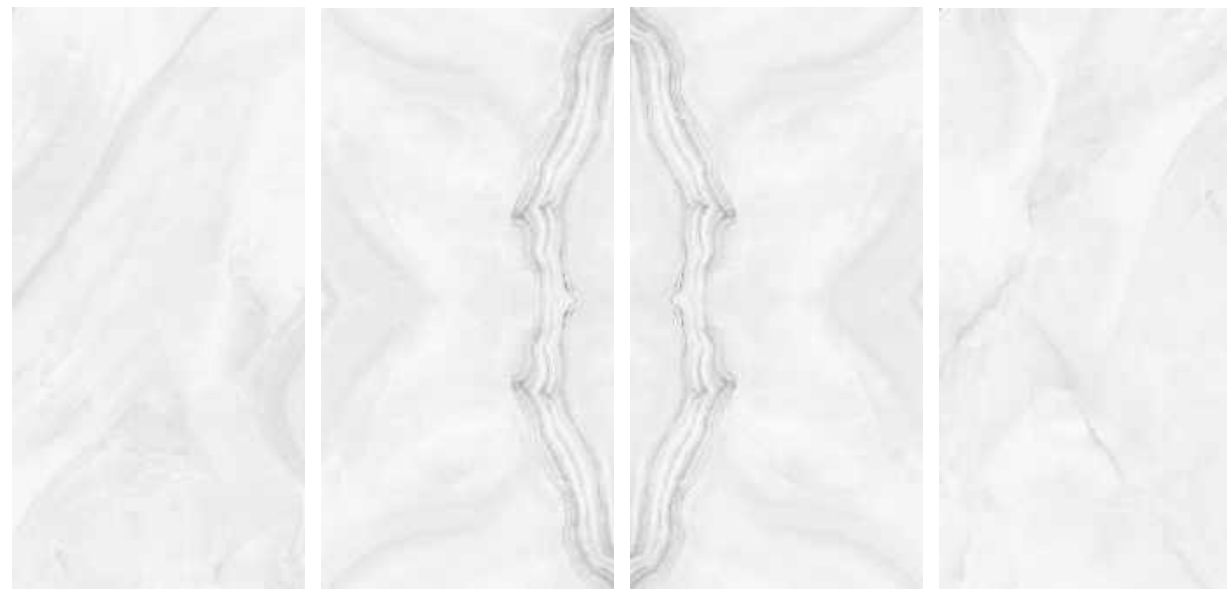
Polish Finish

Matt Finish

9mm Thickness



# RP1080 AGATE WHITE



FACES 48"X96" | BOOKMATCH



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | AGATE WHITE (48X96)



FLOOR | AGATE WHITE (48X48)



WALL & FLOOR | AGATE WHITE (32X64)



FLOOR | AGATE WHITE (32X32)

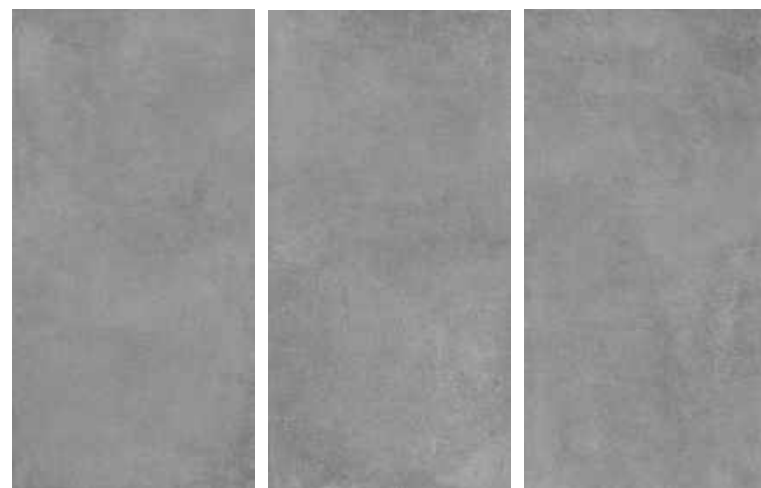
 **Polish Finish**

 **Matt Finish**

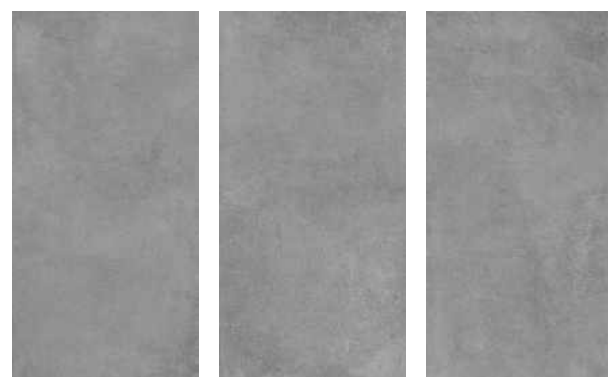
 **9mm Thickness**



# RP1081 GRIGIO LIGHT



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | GRIGIO LIGHT (48X96)



WALL & FLOOR | GRIGIO LIGHT (48X48)



WALL & FLOOR | GRIGIO LIGHT (32X64)



FLOOR | GRIGIO LIGHT (32X32)

Polish Finish

Matt Finish

9mm Thickness



# RP1082 CALACATTA ALINE



FACES 48"X96" | CONTINUOUS

FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | CALACATTA ALINE (48X96)



WALL & FLOOR | CALACATTA ALINE (48X48)



WALL & FLOOR | CALACATTA ALINE (32X64)

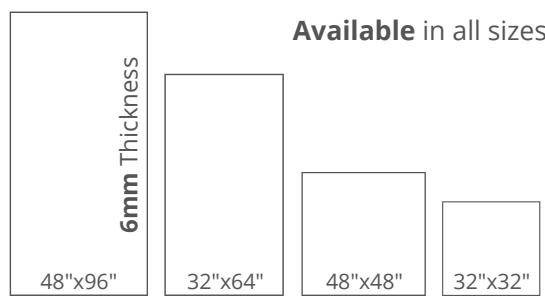


FLOOR | CALACATTA ALINE (32X32)

 **Polish Finish**

 **Matt Finish**

 **9mm Thickness**



## RP1083 CRISTALLO GREY



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | CRISTALLO GREY (48X96)



FLOOR | CRISTALLO GREY (48X48)



WALL & FLOOR | CRISTALLO GREY (32X64)



FLOOR | CRISTALLO GREY (32X32)

Available sizes

 DECO Finish

 9mm Thickness

24"x48"

# RP1083 CRISTALO GREY DECO



CLOSE UP | DECO FINISH

FACES 24"X48" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

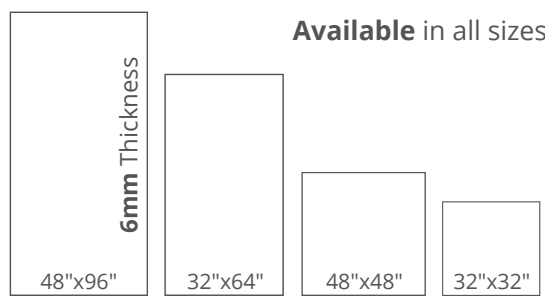


WALL | CRISTALO GREY DECO (24X48)

Polish Finish

Matt Finish

9mm Thickness



**RP1084**  
**BLUE STORM ONYX**



FACES 48"X96" | BOOKMATCH

FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
 PORCELAIN SPECIALISTS



WALL | BLUE STORM ONYX (48X96)



FLOOR | BLUE STORM ONYX (48X48)



WALL | BLUE STORM ONYX (32X64)



WALL & FLOOR | BLUE STORM ONYX (32X32)

Polish Finish

Matt Finish

9mm Thickness

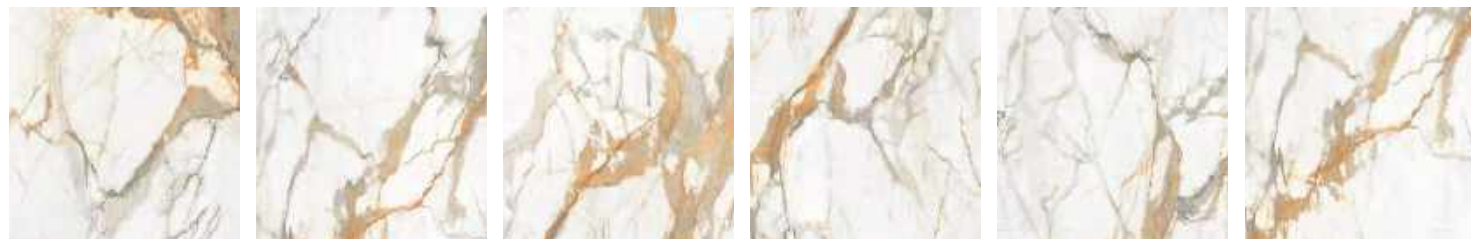


# RP1085 ARBESCATO



FACES 48"X96" | BOOKMATCH

FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | ARBESCATO (48X96)



FLOOR | ARBESCATO (48X48)



WALL | ARBESCATO (32X64)

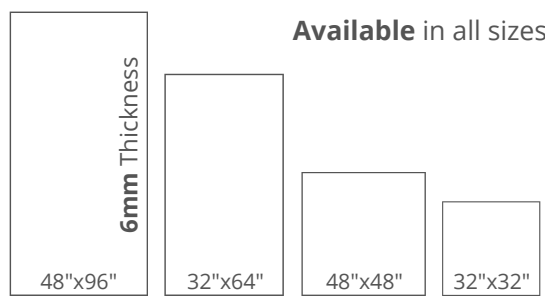


FLOOR | ARBESCATO (32X32)

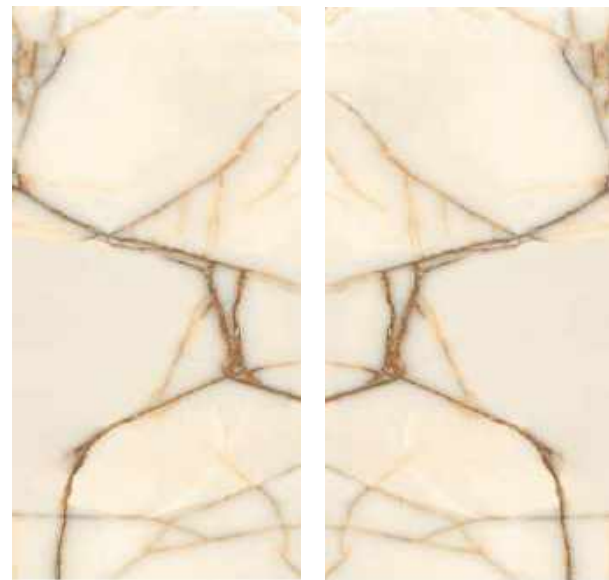
Polish Finish

Matt Finish

9mm Thickness



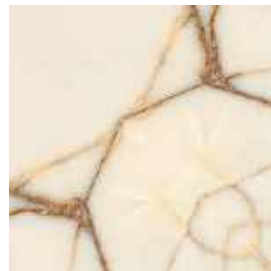
# RP1086 CALACATTA SPIDER GOLD



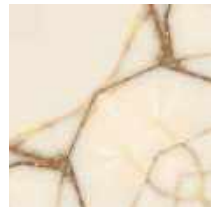
FACES 48"X96" | BOOKMATCH



FACES 32"X64" | RANDOM



FACES 48"X48" | BOOKMATCH



FACES 32"X32" | BOOKMATCH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | CALACATTA SPIDER GOLD (48X96)



WALL & FLOOR | CALACATTA SPIDER GOLD (48X48)



WALL & FLOOR | CALACATTA SPIDER GOLD (32X64)




WALL & FLOOR | CALACATTA SPIDER GOLD (32X32)

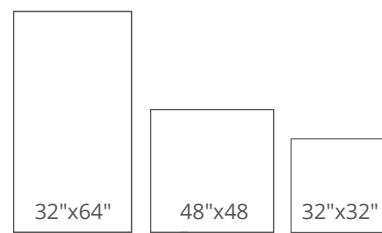


 **Polish Finish**

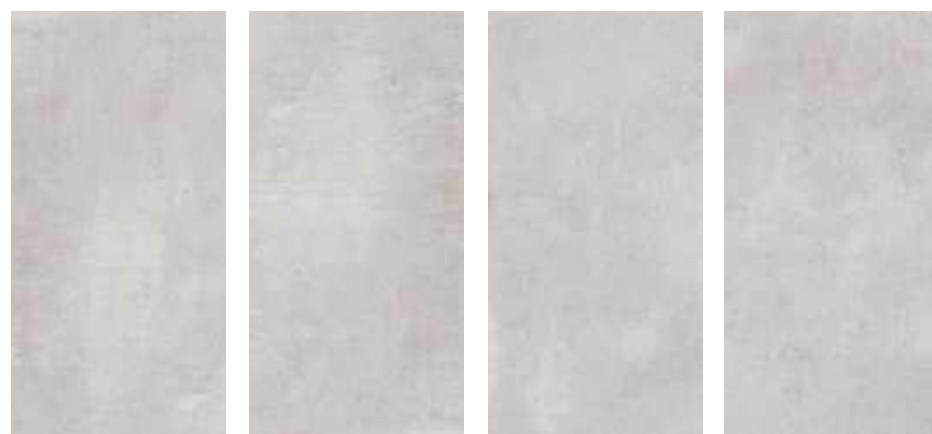
 **Matt Finish**

 **9mm Thickness**

Available sizes



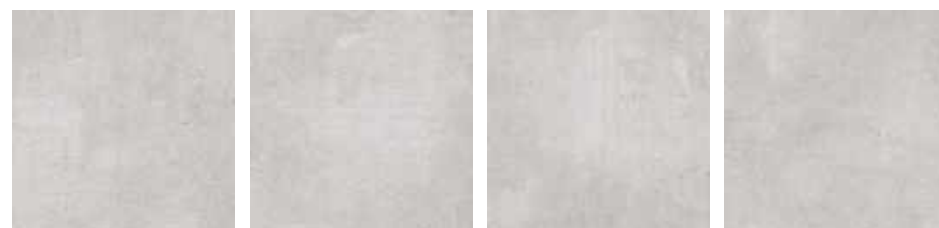
# RP1087 GRAFITO



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



FLOOR | **GRAFITO** (48X48)




WALL & FLOOR | **GRAFITO** (32X64)



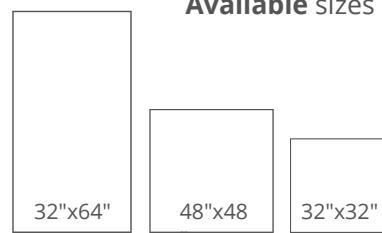
WALL | **GRAFITO** (32X32)

 Polish Finish

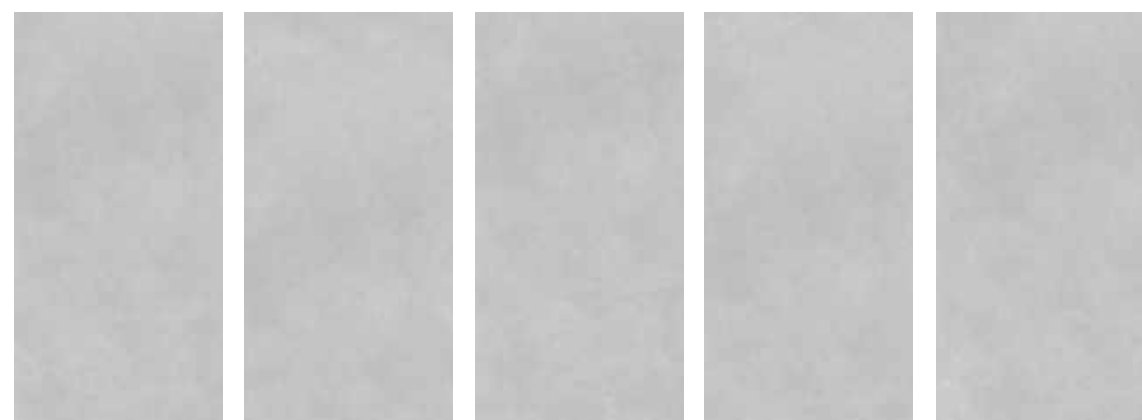
 Matt Finish

 9mm Thickness

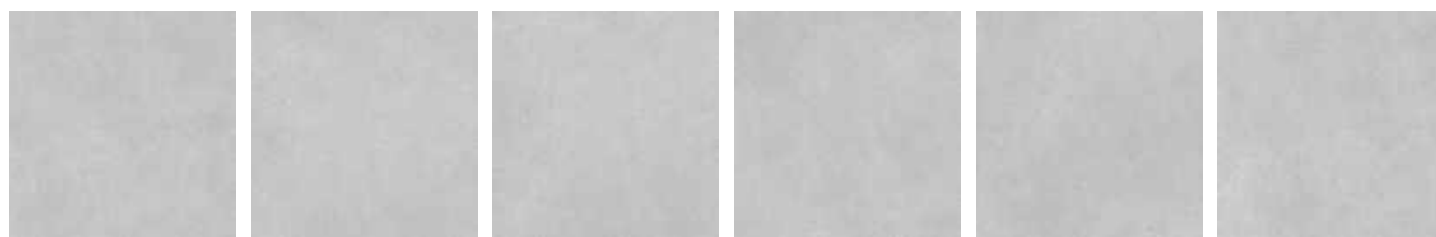
Available sizes



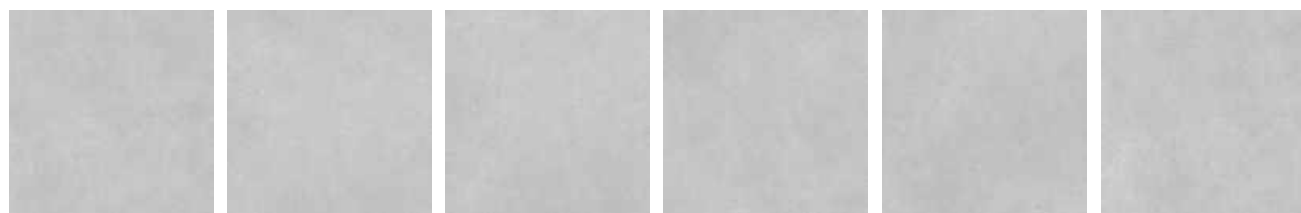
# RP1088 CONCRETO



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



FLOOR | CONCRETO (48X48)



WALL & FLOOR | CONCRETO (32X64)



WALL & FLOOR | CONCRETO (32X32)

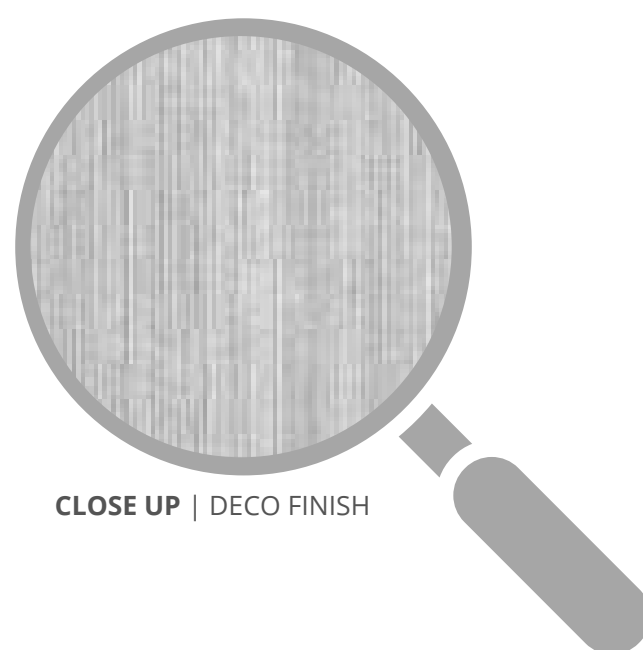
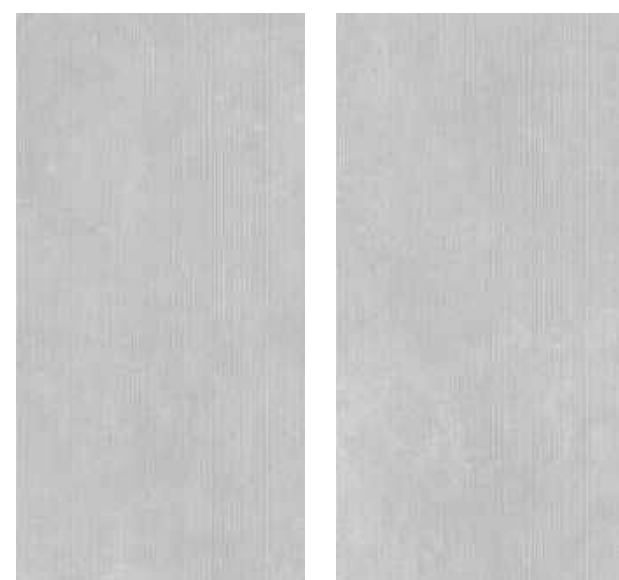
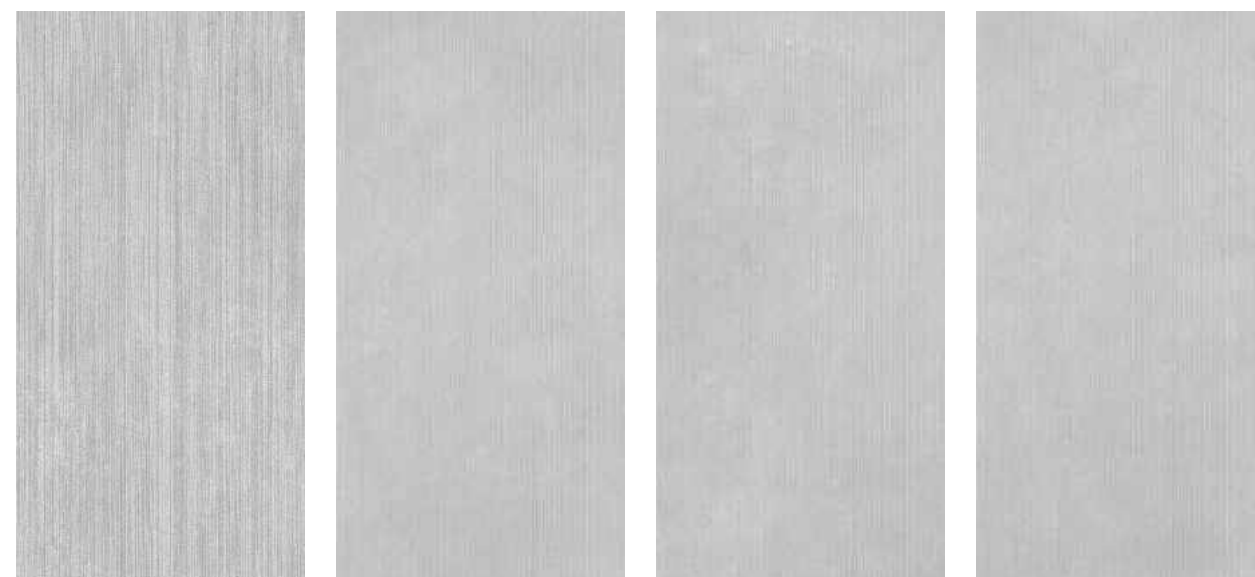
Available sizes

DECO Finish

9mm Thickness



# RP1088 CONCRETO DECO



CLOSE UP | DECO FINISH

FACES 32"x64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

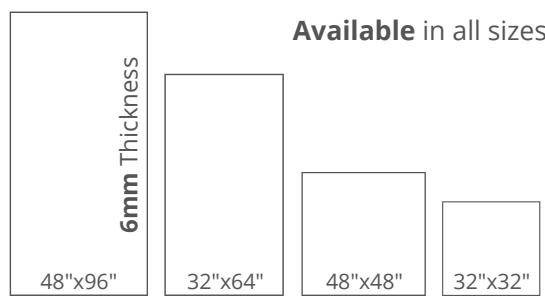


WALL | CONCRETO DECO (32x64)

 **Polish Finish**

 **Matt Finish**

 **9mm Thickness**



## RP1090 VENETIAN



FACES 48"X96" | RANDOM

FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | VENETIAN (48X96)



WALL & FLOOR | VENETIAN (48X48)



WALL | VENETIAN (32X64)

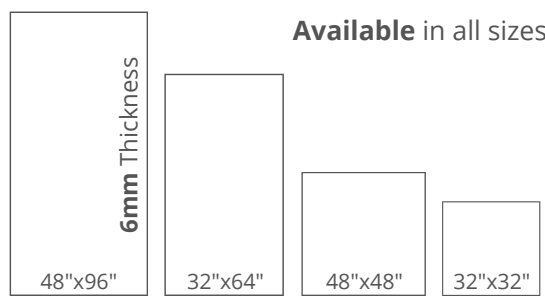


FLOOR | VENETIAN (32X32)

 **Polish Finish**

 **Matt Finish**

 **9mm Thickness**



# RP1091 BIANCO CARRARA



FACES 48"X96" | RANDOM



FACES 32"X64" | RANDOM



FACES 48"X48" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | **BIANCO CARRARA** (48X96)



FLOOR | **BIANCO CARRARA** (48X48)



WALL & FLOOR | **BIANCO CARRARA** (32X64)



FLOOR | **BIANCO CARRARA** (32X32)

 **Polish Finish**

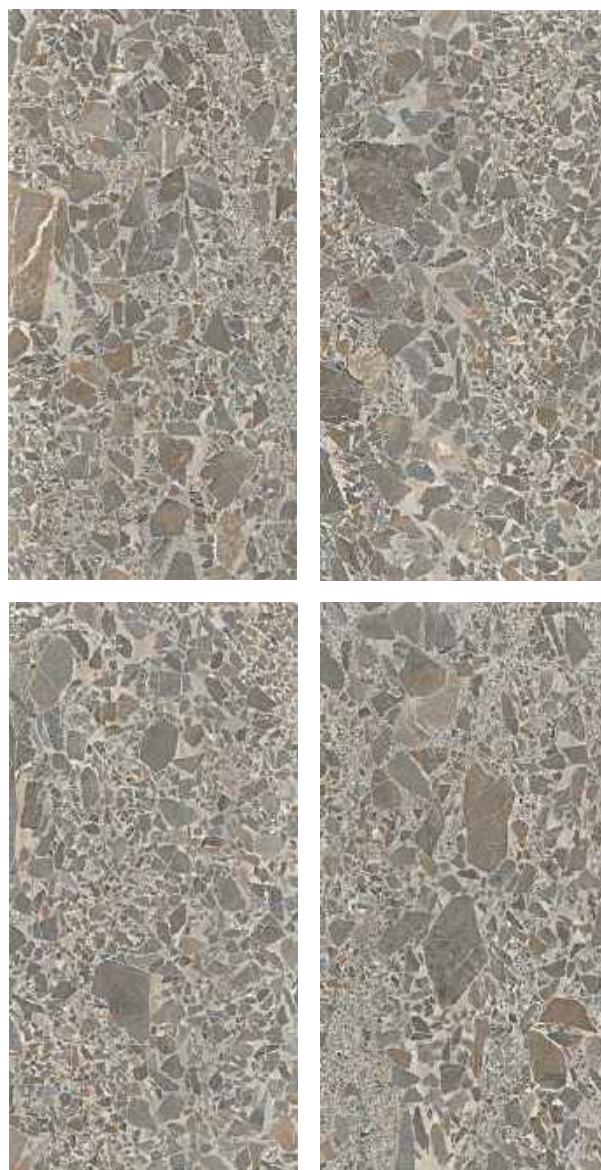
 **Matt Finish**

 **6mm Thickness**



Available size

## RP1093 CEPPO DI GRE



FACES 48"X96" | RANDOM




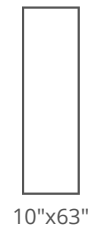
THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | CEPPO DI GRE (48X96)

 Matt Finish

 9mm Thickness



Available size

## RP1094 RIVER WHITE



FACE 10"X63" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



 MADE IN ITALY

FLOOR | RIVER WHITE (10X63)

 Matt Finish

 9mm Thickness



Available size

## RP1095 RIVER BROWN



FACE 10"X63" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS




 MADE IN ITALY

FLOOR | RIVER BROWN (10X63)



 **Matt Finish**

 **9mm Thickness**



Available size

## RP1096 RIVER SMOKE



FACE 10"X63" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS



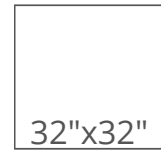
 **MADE IN ITALY**

FLOOR | **RIVER SMOKE** (10X63)

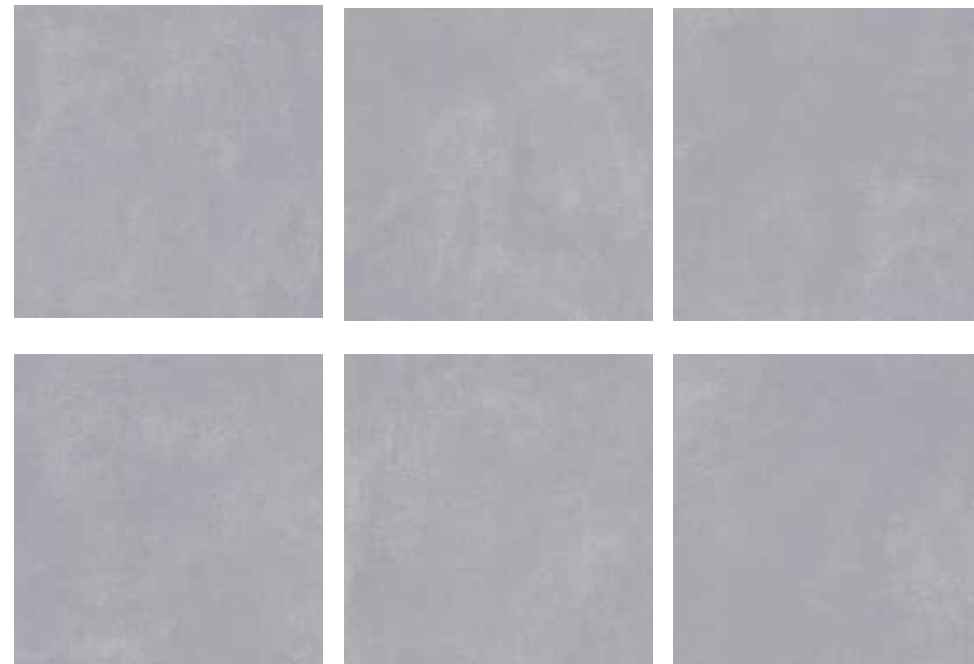
 Matt Finish

 9mm Thickness

Available size

  
32"x32"

## RP1102 BETON LIGHT




FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | **BETON LIGHT**(32X32)

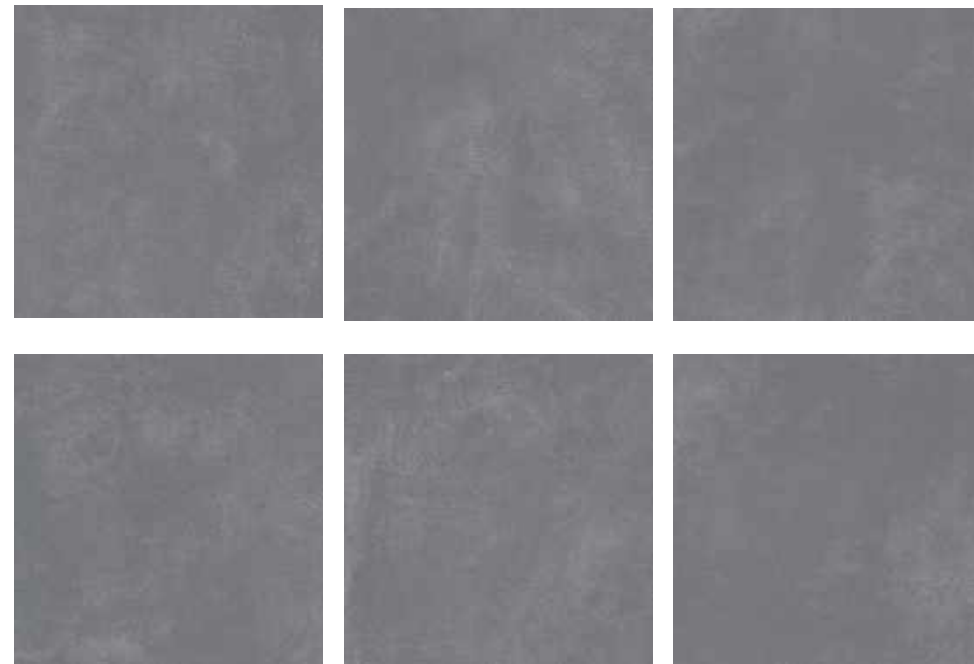
 Matt Finish

 9mm Thickness

Available size

32"x32"

**RP1103**  
**BETON DARK**



FACES 32"X32" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS

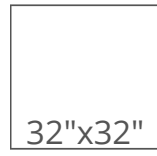


FLOOR | **BETON DARK** (32X32)

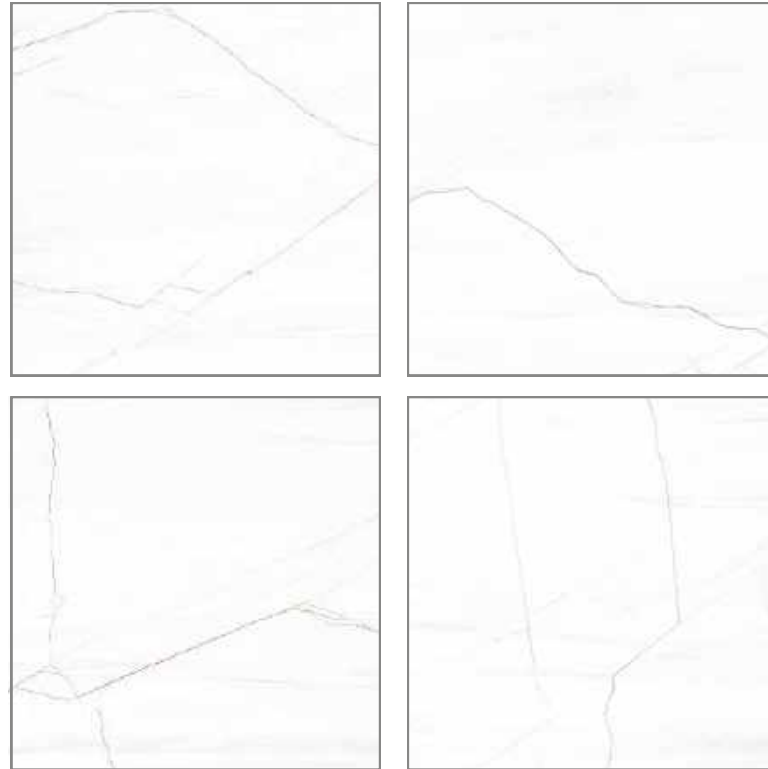
 Polish Finish

 9mm Thickness

Available size

 32"x32"

## RP1104 STATUARIO GOLD



FACES 32"X32" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR & WALL | STATUARIO GOLD (32X32)

 **Polish Finish**

 **Matt Finish**

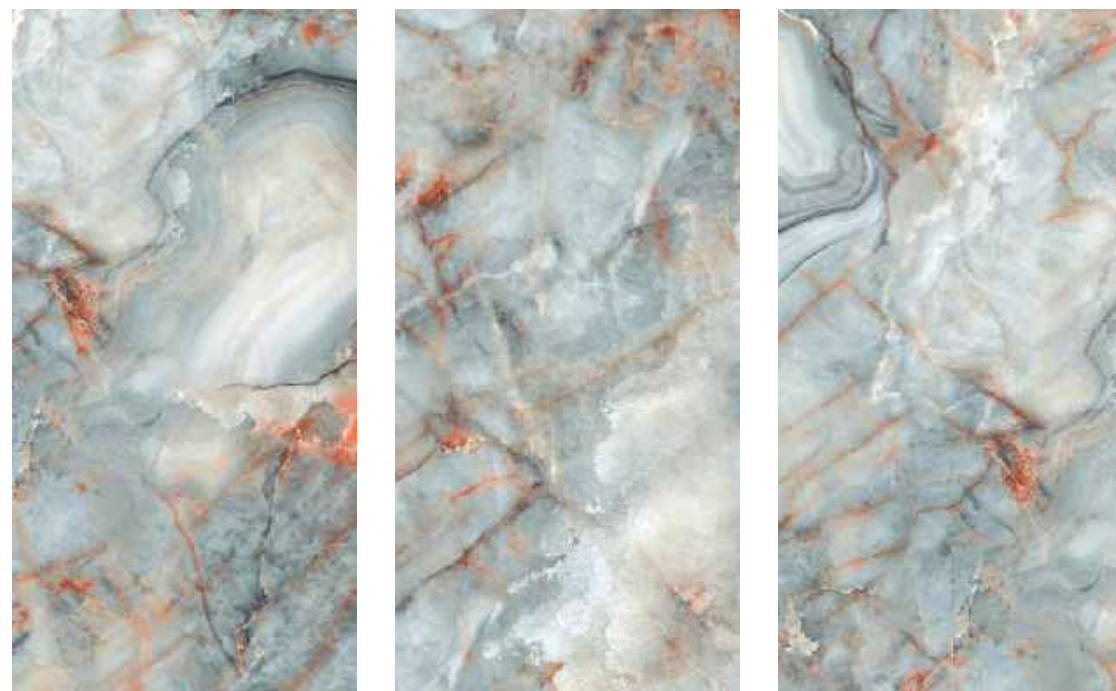
 **9mm Thickness**

**Available sizes**

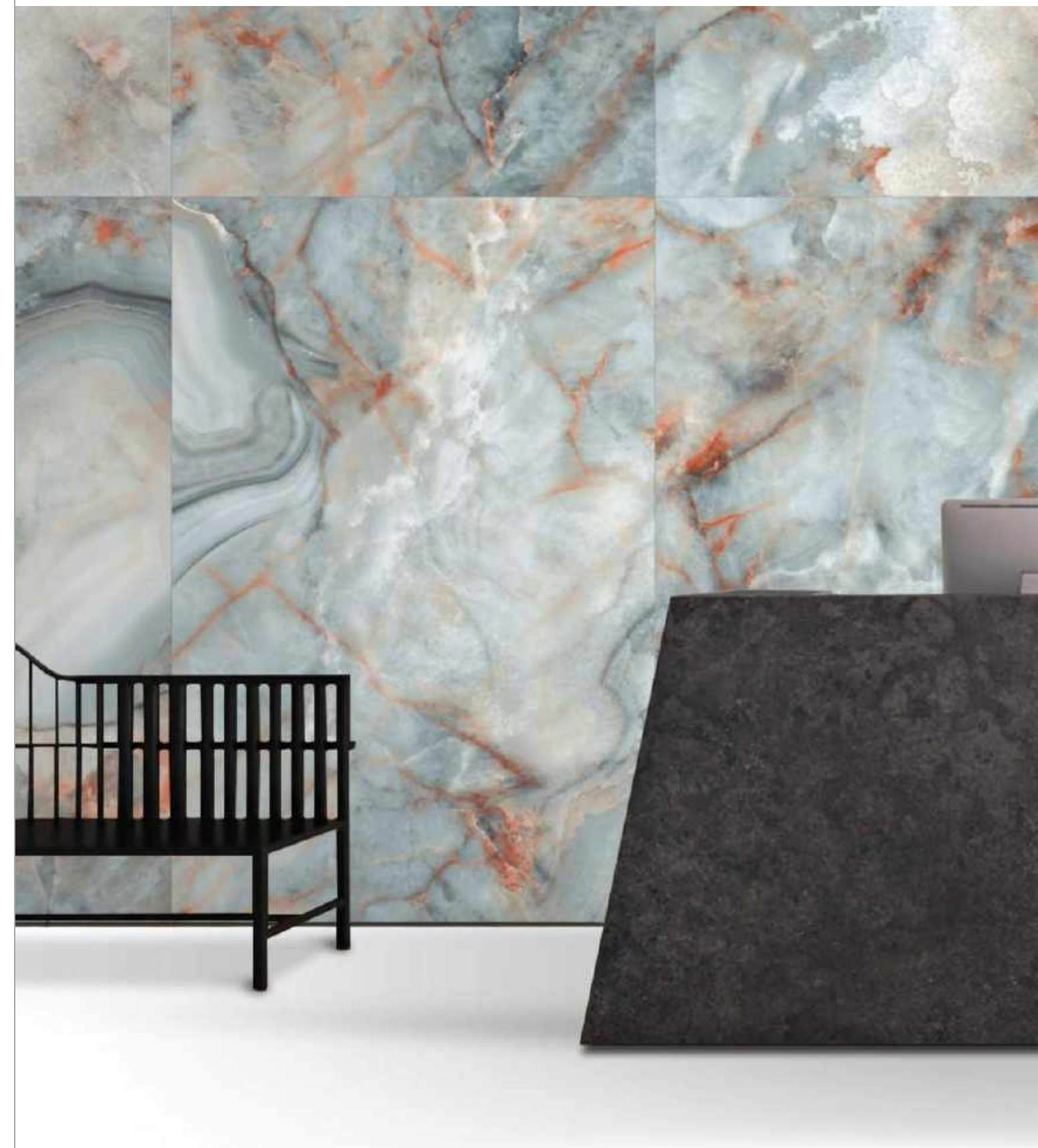


32"x64"

# RP1105 VERDE ONYX



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL | VERDE ONYX (32X64)

 Polish Finish

 Matt Finish

 9mm Thickness

Available sizes



## RP1106 NORDIC GREY



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL & FLOOR | NORDIC GREY (32X64)

 Matt Finish

 9mm Thickness

Available size

32"x32"

# RP1107 NERO BASALTINA




FACES 32"X32" | RANDOM



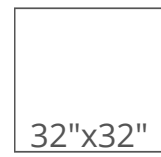
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | NERO BASALTINA (32X32)

 Matt Finish

 9mm Thickness

Available size

  
32"x32"

# RP1108 BIANCO BASALTINA



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | BIANCO BASALTINA (32X32)



Polish Finish

Available sizes

Matt Finish

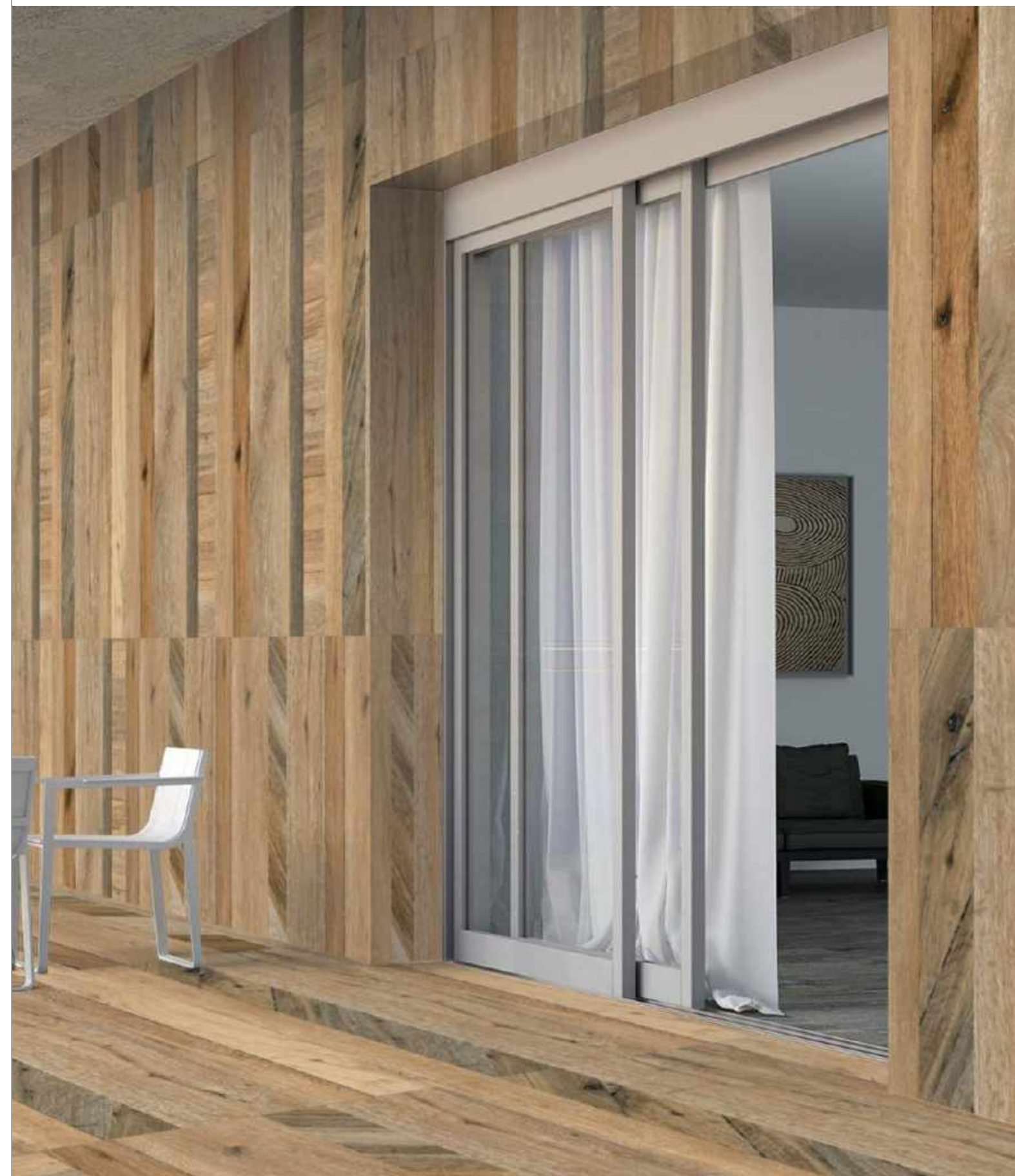
9mm Thickness



# RP1109 GRUNCHY WOOD



FACES 32"X64" | RANDOM



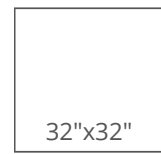
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL & FLOOR | GRUNCHY WOOD (32X64)

 Polish Finish

 9mm Thickness

Available size



# RP1110 GRAPHITE



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | GRAPHITE (32X64)



WALL & FLOOR | GRAPHITE (32X32)

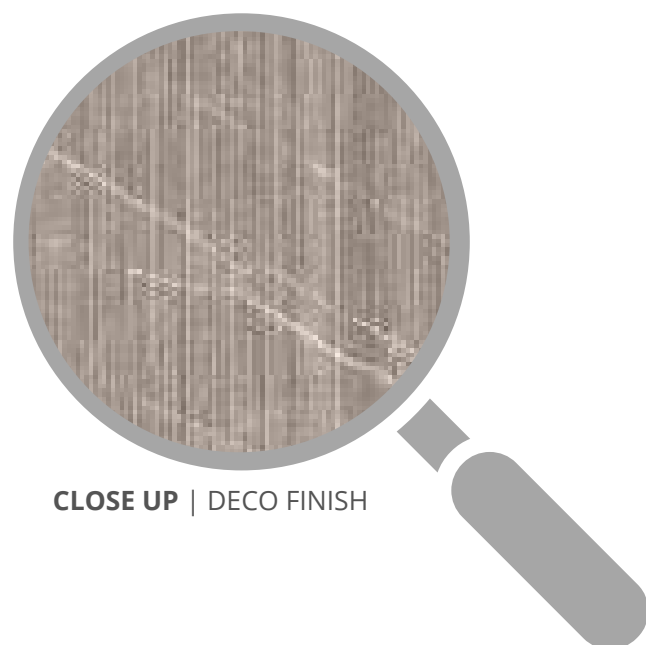
Available sizes

 DECO Finish

 9mm Thickness



## RP1110 GRAPHITE DECO



CLOSE UP | DECO FINISH

FACES 32"x64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



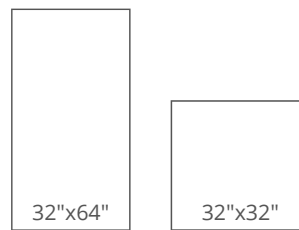
WALL | GRAPHITE DECO (32x64)

 **Polish Finish**

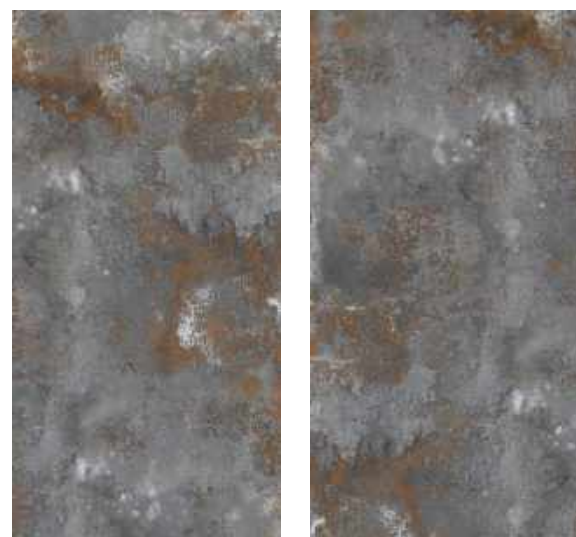
 **Matt Finish**

 **9mm Thickness**

Available sizes



# RP1111 RUSTICO



FACES 32"X64" | RANDOM



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL & FLOOR | RUSTICO (32X64)



FLOOR | RUSTICO (32X32)

 **Polish Finish**

 **Matt Finish**

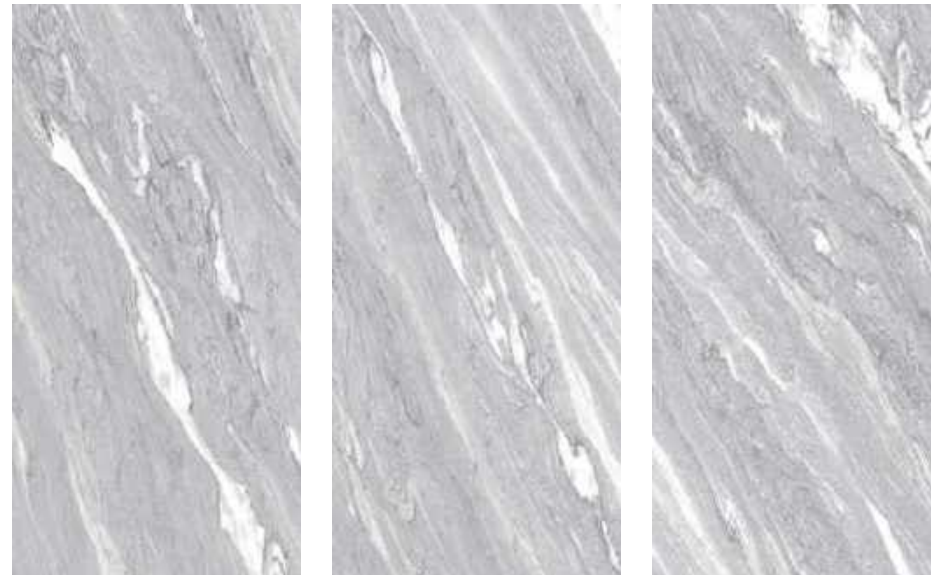
 **9mm Thickness**

**Available sizes**



32"x64"

## RP1112 NUVALATO



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL & FLOOR | NUVALATO (32X64)

Available sizes

DECO Finish

9mm Thickness



# RP1112 NUVALATO DECO



FACES 32"x64" | RANDOM



CLOSE UP | DECO FINISH




THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | NUVALATO DECO(32x64)

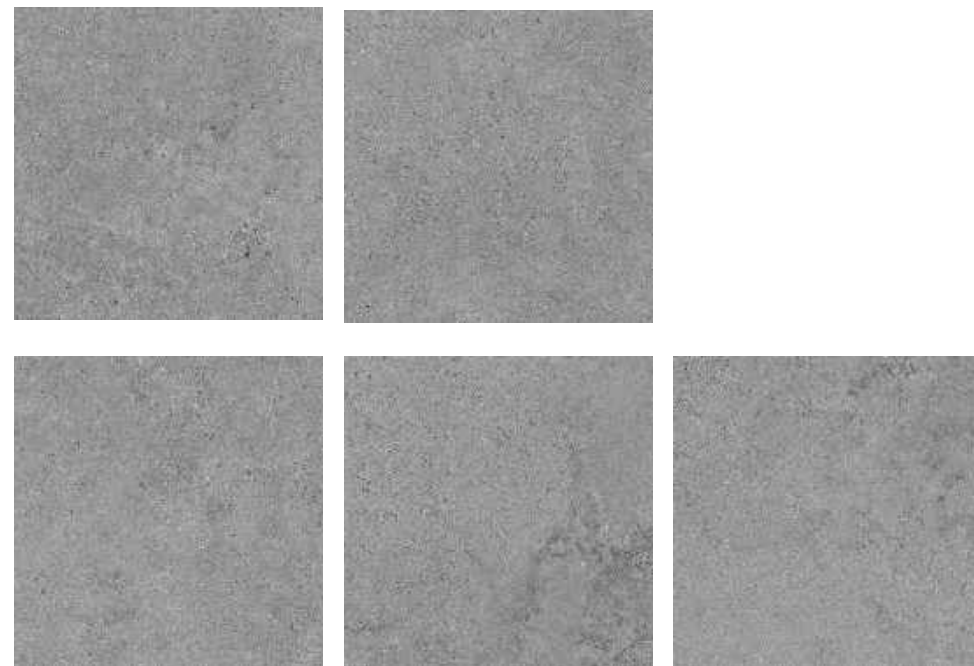
 Matt Finish

 9mm Thickness

Available size

32"x32"

# RP1113 AFOR



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL & FLOOR | AFOR (32X32)

 Polish Finish

 Matt Finish

 9mm Thickness

Available sizes



## RP1118 DILENGO LIGHT



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

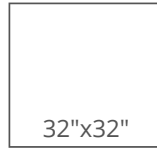
WALL & FLOOR | DILENGO LIGHT (32X64)



Available sizes

 DECO Finish

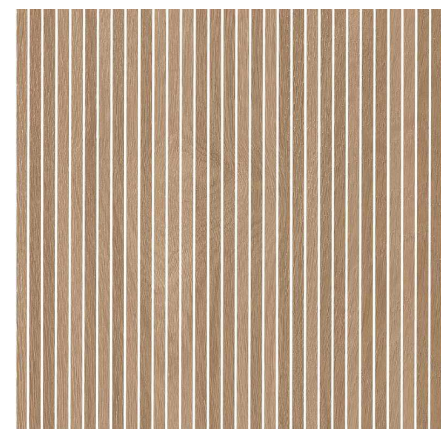
 9mm Thickness



## RP1118 DILENGO LIGHT DECO



FACE 32"x64" | RANDOM



FACE 32"x32" | RANDOM



CLOSE UP | DECO FINISH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS




WALL | DILENGO LIGHT DECO (32x64)



WALL & FLOOR | DILENGO LIGHT DECO (32x32)

 Polish Finish

 Matt Finish

 9mm Thickness

Available sizes



## RP1119 DILENGO DARK



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

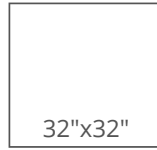


WALL & FLOOR | DILENGO DARK (32X64)

Available sizes

 DECO Finish

 9mm Thickness



## RP1119 DILENGO DARK DECO



FACE 32"x64" | RANDOM



CLOSE UP | DECO FINISH



FACE 32"x32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | DILENGO DARK DECO (32x64)



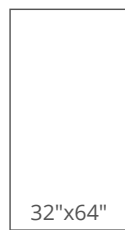
WALL & FLOOR | DILENGO DARK DECO (32x32)

 Polish Finish

 Matt Finish

 9mm Thickness

Available sizes



## RP1120 DILENGO CREMA



FACES 32"X64" | RANDOM



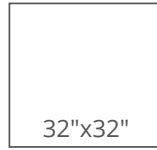
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL & FLOOR | DILENGO CREMA (32X64)

Available sizes

 DECO Finish

 9mm Thickness



## RP1120 DILENGO CREMA DECO



FACE 32"x64" | RANDOM



FACE 32"x32" | RANDOM



CLOSE UP | DECO FINISH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | DILENGO CREMA DECO (32x64)



WALL | DILENGO CREMA DECO (32x32)

 Polish Finish

 Matt Finish

 9mm Thickness

Available sizes



## RP1121 DILENGO BIANCO



FACES 32"X64" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

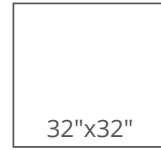


WALL | DILENGO BIANCO (32X64)

Available sizes

DECO Finish

9mm Thickness



# RP1120 DILENGO BIANCO DECO



FACE 32"x64" | RANDOM



FACE 32"x32" | RANDOM



CLOSE UP | DECO FINISH



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | DILENGO BIANCO DECO (32x64)

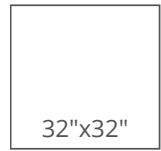


WALL | DILENGO BIANCO DECO (32x32)

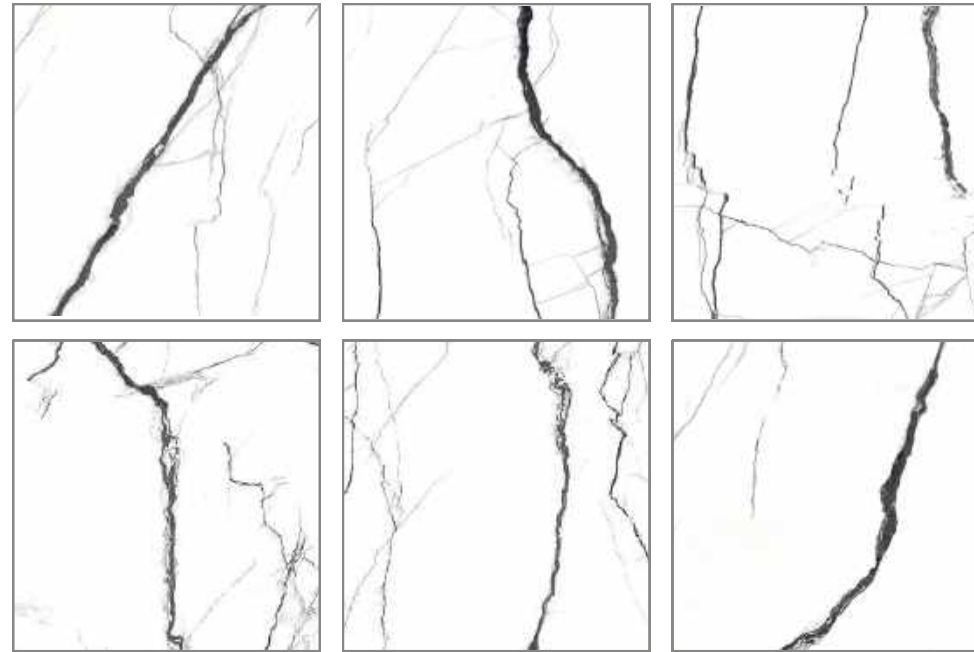
**Matt Finish**

**9mm Thickness**

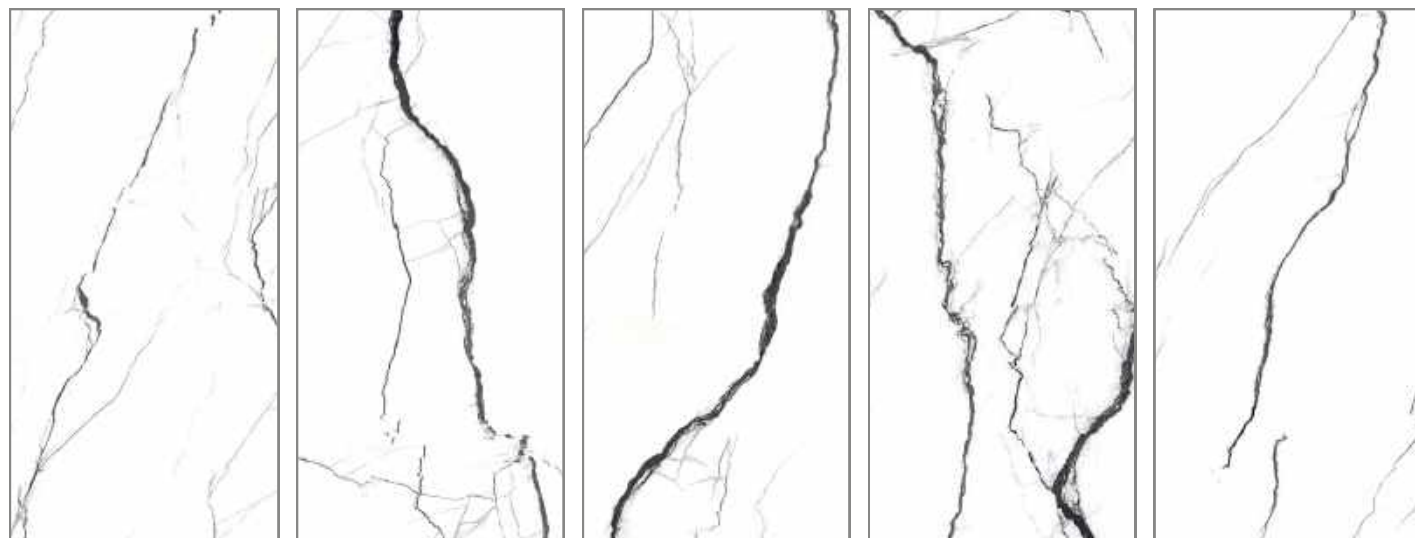
Available size



# RP1122 CALCATA SV



FACES 32"X32" | RANDOM



FACES 32"X64" | RANDOM



WALL | CALCATTA SV (32X64)




WALL & FLOOR | CALCATTA SV (32X32)



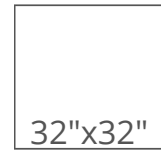
THE LARGE FORMAT  
PORCELAIN SPECIALISTS



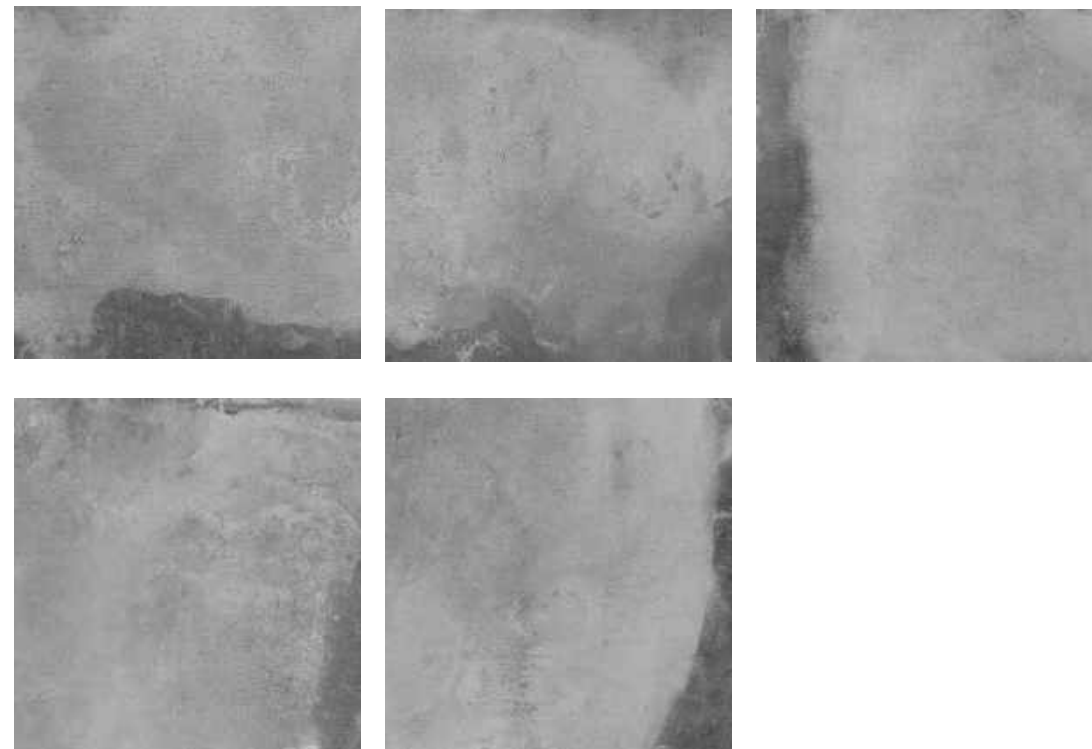
 Matt Finish

 9mm Thickness

Available size

 32"x32"

# RP1123 GREY MOON



FACES 32"X32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



WALL | GREY MOON (32X32)

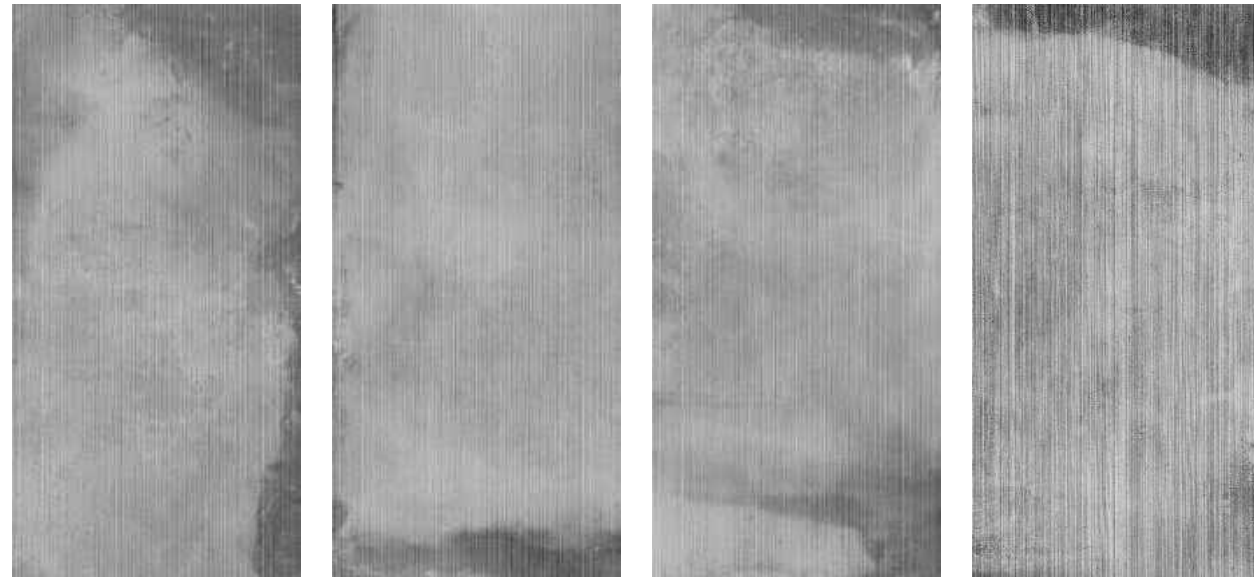
Available sizes

DECO Finish

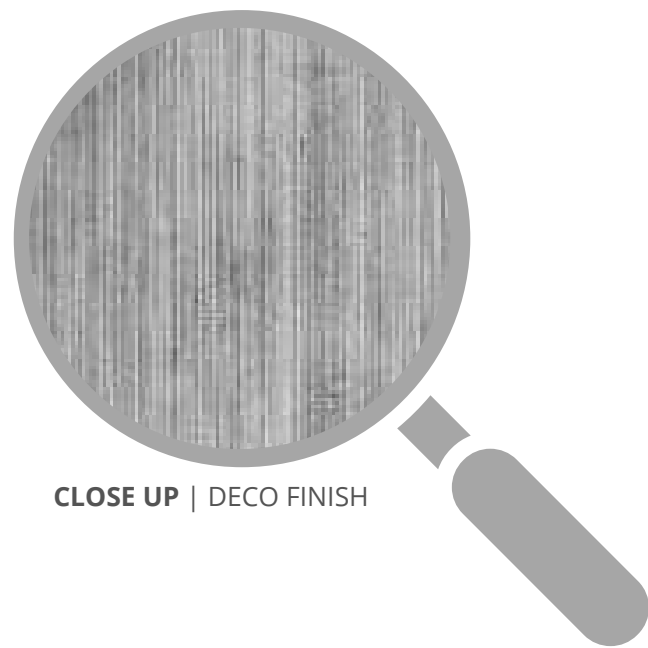
9mm Thickness



# RP1123 GREY MOON DECO



FACES 32"x64" | RANDOM



CLOSE UP | DECO FINISH




THE LARGE FORMAT  
PORCELAIN SPECIALISTS

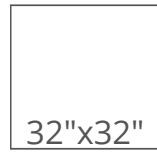


WALL | GREY MOON DECO(32x64)

 Matt Finish

 9mm Thickness

Available size

  
32"x32"

## RP1124 VENEZUELA DARK



FACES 32"x32" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

WALL & FLOOR | VENEZUELA DARK (32X32)

**Matt Finish**

Available size

**9mm Thickness**

32"x32"

# RP1125 VENEZUELA LIGHT




FACES 32"x32" | RANDOM



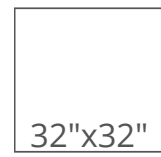
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | VENEZUELA LIGHT (32X32)

 Matt Finish

 9mm Thickness

Available size

  
32"x32"

## RP1126 VENEZUELA GREY



FACES 32"x32" | RANDOM



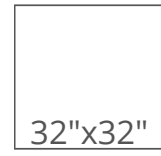
THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | VENEZUELA GREY (32X32)

 Polish Finish

 9mm Thickness

Available size

  
32"x32"

## RP1127 NIRGATO



FACES 32"x32" | RANDOM

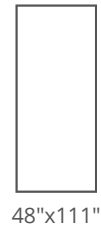


THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | NIRGATO (32X32)

 Matt Finish

 9mm Thickness



Available size

## RP1200 INVISIBLE PEARL



FACES 48"X111" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS



 MADE IN ITALY

WALL & FLOOR | INVISIBLE PEARL (48X111)

 Matt Finish

 9mm Thickness



Available size

48"x111"

## RP1201 SIGNORIA GRIGIO SIENA



FACES 48"X111" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS

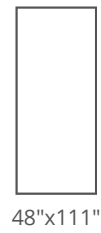
 MADE IN ITALY

WALL & FLOOR | SIGNORIA GRIGIO SIENA (48X111)



 **Matt Finish**

 **9mm Thickness**



Available size

## RP1202 CALACATTA VENA ORO



FACES 48"X111" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

 **MADE IN ITALY**

WALL & FLOOR | CALACATTA VENA ORO (48X111)

 Matt Finish

 9mm Thickness



Available size

## RP1203 CRYSTAL



FACES 48"X111" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

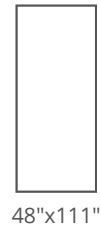


 MADE IN ITALY

WALL & FLOOR | CRYSTAL (48X111)

 Matt Finish

 9mm Thickness



Available size

48"x111"

## RP1204 STATUARIO VERSILIA



FACES 48"x111" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS

 MADE IN ITALY

WALL & FLOOR | STATUARIO VERSILIA (48X111)

 **Matt Finish**

 **9mm Thickness**



Available size

## RP1205 TITANIUM BLACK



FACES 48"X111" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS

 **MADE IN ITALY**

WALL & FLOOR | **TITANIUM BLACK** (48X111)

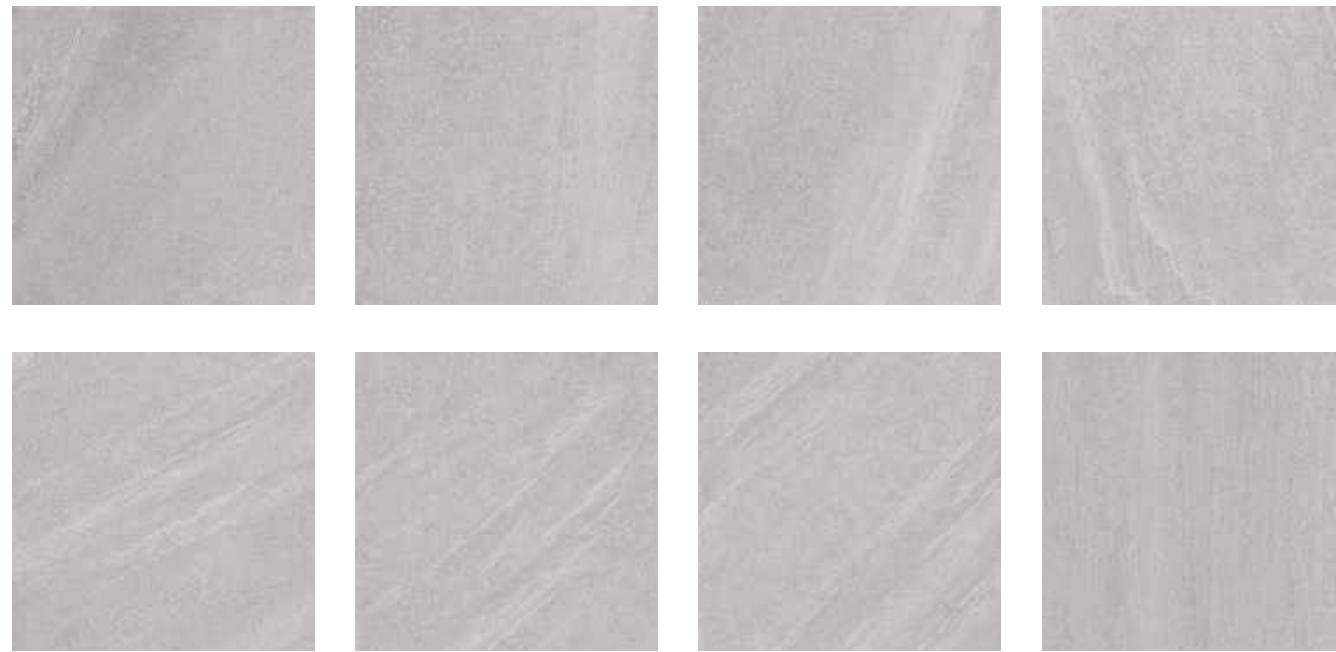
 Flamed Finish

 20mm Thickness

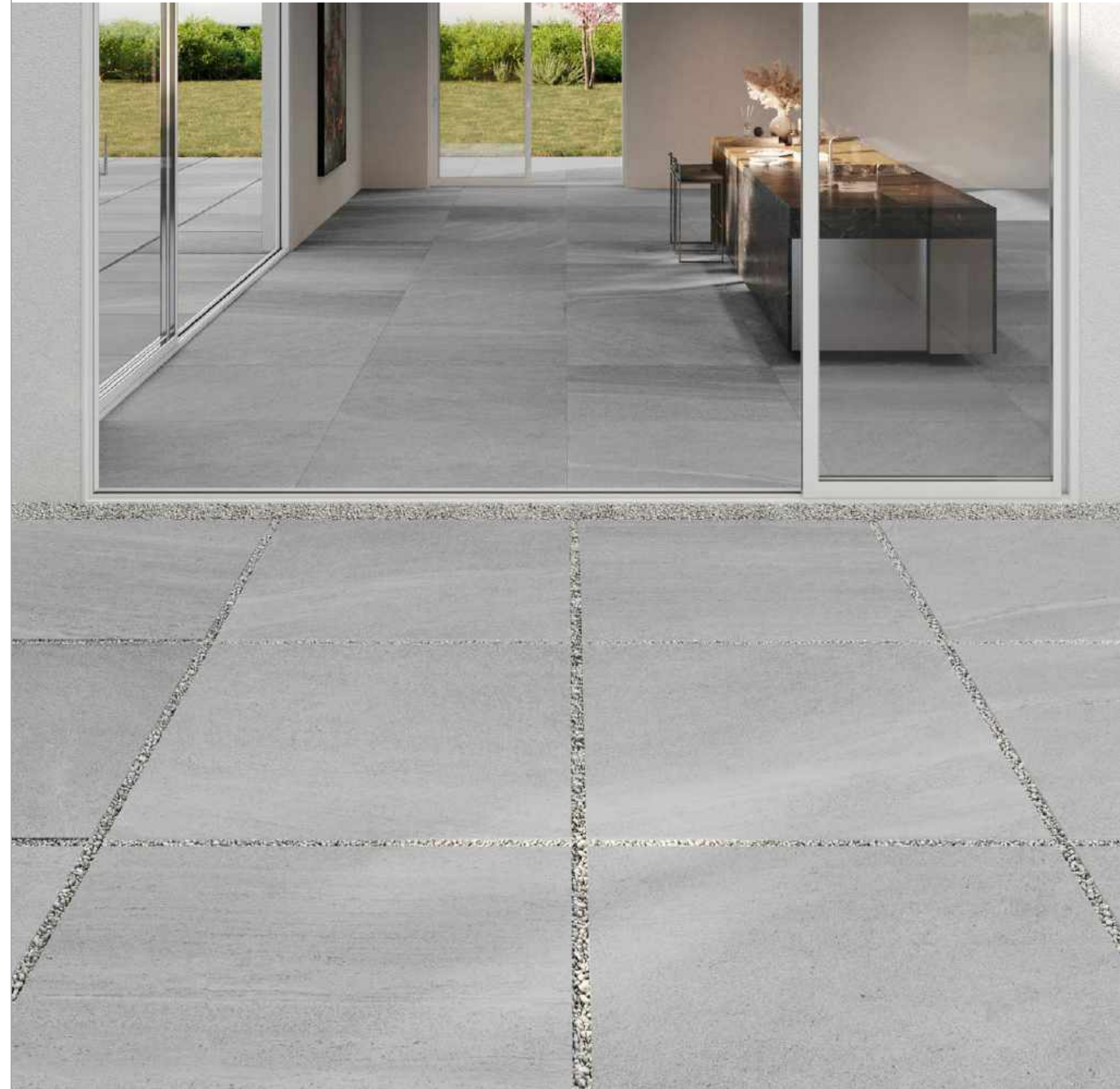
Available size

24"x24"

# RP2001 LIMESTONE ASH



FACES 24"x24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | LIMESTONE ASH (24X24)

Flamed Finish

20mm Thickness

Available size

24"x24"

# RP2002 LIMESTONE BEIGE




FACES 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | LIMESTONE BEIGE (24X24)

 Flamed Finish

 20mm Thickness

Available size

24"x24"

## RP2003 LIMESTONE ICE




FACES 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | LIMESTONE ICE (24X24)

 Flamed Finish

 20mm Thickness

Available size

24"x24"

## RP2004 LIMESTONE COAL



FACES 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | LIMESTONE COAL(24X24)



Flamed Finish

9mm Thickness



16"x48"

Available size

# RP2005 FJORD HONNING



FACE 16"x48" | RANDOM




THE LARGE FORMAT  
PORCELAIN SPECIALISTS



PAVER | FJORD HONNING (16X48)

 Flamed Finish

 9mm Thickness



Available size

16"x48"

## RP2006 FJORD GRA



FACE 16"X48" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS



PAVER | FJORD GRA(16X48)

Flamed Finish

20mm Thickness

Available size

24"x24"

# RP2007 DURANGO MEDIUM




FACES 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | LDURANGO MEDIUM (24X24)

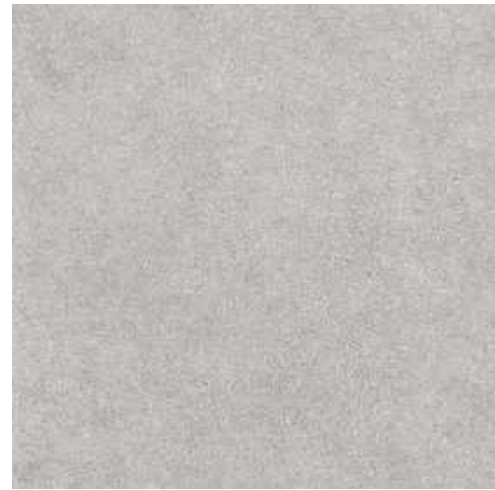
 Flamed Finish

 20mm Thickness

Available size

24"x24"

## RP2009 TECHNIKA GRIGIO




FACE 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | **TECHNIKA GRIGIO** (24X24)

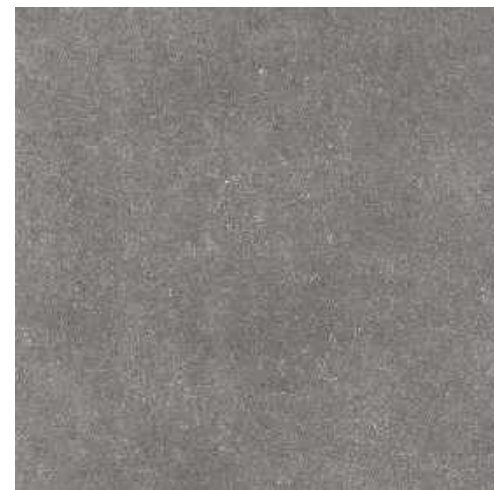
 Flamed Finish

 20mm Thickness

Available size

24"x24"

## RP2010 TECHNIKA ANTRACITE



FACE 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | TECHNIKA ANTRACITE (24X24)

Flamed Finish

20mm Thickness



Available size

# RP2011 ENDLESS BONE




FACES 18"X36" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | ENDLESS BONE (18X36)

 Flamed Finish

 20mm Thickness



Available size

# RP2012 ENDLESS SILVER



FACES 18"X36" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | ENDLESS SILVER (18X36)

Flamed Finish

20mm Thickness



Available size

18"x36"

# RP2013 ENDLESS WHITE



FACES 18"X36" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

FLOOR | ENDLESS WHITE (18X36)



 Flamed Finish

 20mm Thickness

Available size

24"x24"

# RP2014 MORRACAN ARABISCH



FACES 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | MORRACAN ARABISCH (24X24)

Flamed Finish

20mm Thickness

Available size

24"x24"

# RP2015 MORRACAN LILLIE



FACES 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | MORRACAN LILLIE (24X24)

Flamed Finish

20mm Thickness

Available size

24"x24"

# RP2016 MORRACAN GEOMETRISCH



FACES 24"x24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | MORRACAN GEOMETRISCH (24X24)

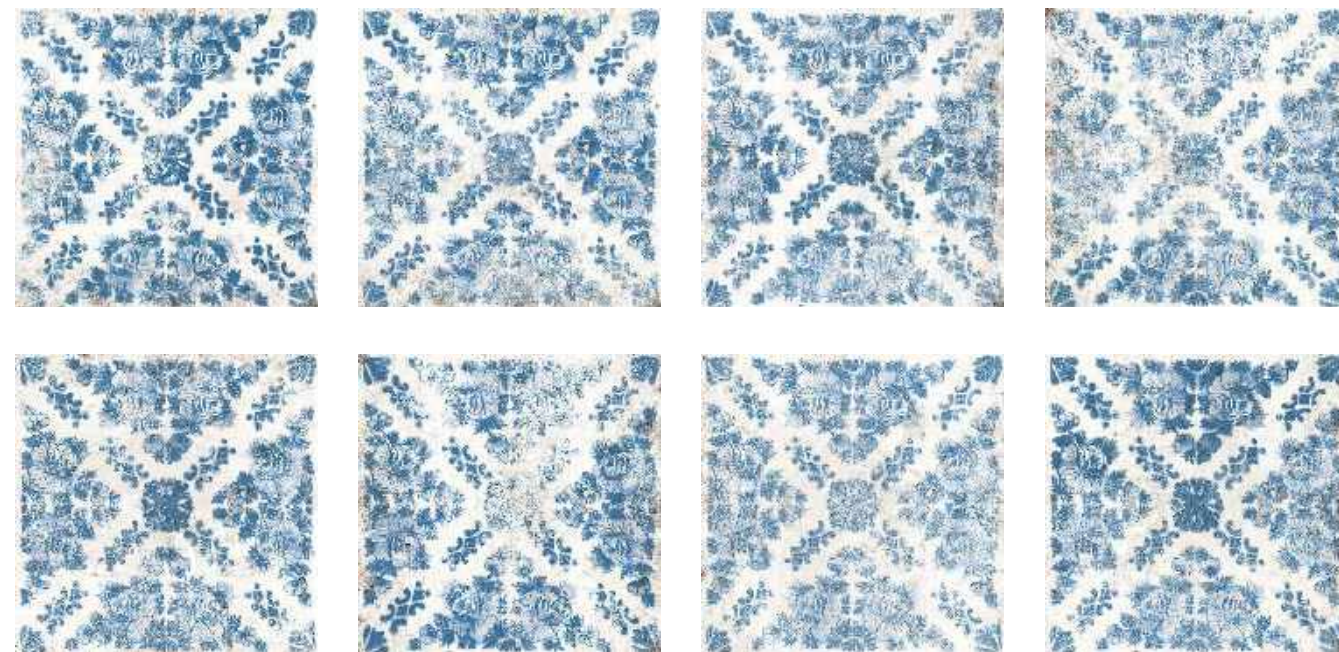
Flamed Finish

20mm Thickness

Available size

24"x24"

# RP2017 MORRACAN BLUMEN




FACES 24"X24" | RANDOM



THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | MORRACAN BLUMEN (24X24)

 Flamed Finish

 20mm Thickness

Available size

24"x24"

# RP2018 LIMESTONE GUNMETAL



FACES 24"x24" | RANDOM

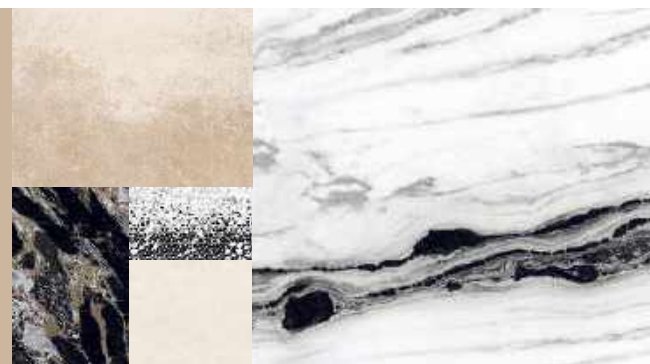


THE LARGE FORMAT  
PORCELAIN SPECIALISTS

PAVER | LIMESTONE GUNMETAL (24X24)



LARGE FORMAT PORCELAIN SPECIALISTS



## PORCELAIN INSTALLATION GUIDE



### Large Format Tile & Thin Porcelain Slab Panels

Raphael Porcelain large format tile has been around for some time but has exploded in popularity over the past few years. Traditionally, tiles came in a relatively standard size, such as 8" x 8" floor tiles and 4" x 4" wall tiles. Today, tiles are available from tiny glass mosaics that are 3/8" x 3/8" to large format thin porcelain tile panels that can be as large as 5' x 10'. Compared with standard tile installations, large format tiles present new challenges for tile installers. When installing large format tiles, specific procedures and methods must be adhered to so that the tile doesn't crack and leave behind a failed installation. Handling, lippage, subfloor preparation, mortar coverage, and curing/protection require extra consideration during the large format tiles' installation process. Thin Porcelain Tile ("TPT"). Raphael Porcelain large format tile panels also called "thin tile" and "thin tile panels," are characterized by large panels up to 5' x 10' with a thickness of 6mm.

### Advantages

For consumers, a large format tile is aesthetically pleasing within a wide variety of colors and designs available. As a design element, large format tiles can be used to make a smaller room

appear bigger. Many people also enjoy the look of thin grout lines commonly used with large format tiles. Additionally, because each tile offers more coverage per tile than traditionally sized tile, there are fewer grout lines. With fewer grout lines, maintenance becomes easier because a tile face is typically easier to clean than a grout line. As many of us know, even sealed or epoxy-based grout can be challenging to keep clean and looking its best. Raphael Porcelain large format tile also offers some extended benefits. Raphael Porcelain tile products are easy to clean and offer scratch, fire-resistant, and waterproof surfaces.

### Subfloor Preparation

With Raphael Porcelain large format tile, the subfloor or substrate must be properly prepared before laying any tile, and the larger the tile size, the more essential this becomes. It must be level and flat. Any dips or humps can lead to lippage that large format tile installations are prone to. Lippage is when one edge of a tile is not level with the adjacent tile's edge. This leads to the finished surface having an uneven appearance, degrading the quality of the installation. Additionally, uneven surfaces will make it difficult to achieve the proper mortar coverage and bond, another important aspect of installing large format tile. Raphael Porcelain large format tiles, only LFT Thinset, are approved.

### Variance in Substrate

With traditional tile that is less than 15" x 15", there can be up to a 1/4" variance in the substrate over a 10' span. For tile with at least one edge greater than 15", the American National Standards Institutes (ANSI) recommends a maximum variance of 1/8" over a 10' span and 1/16" over a 24" span. A 6-foot level or 10-foot straight edge can be used to measure variance in the substrate. Large format tiles will highlight any imperfections in the subfloor, so if the subfloor exceeds these specifications, the subfloor must be corrected with a self-leveling underlayment, patch, or grinding it down.

### Self-leveling Underlayments

A self-leveling underlayment is a cement-based product that can be poured on the subfloor to fix small imperfections in the subfloor and even the surface. As it cures, the self-leveling underlayment produces a smooth and flat surface ready for tiling. For minor variances, a trowel applied self-leveling patch can be used to bring the substrate to tolerance. Patching compounds can also be used to fix small variances on walls as well. The industry recommends using substrate preparation products and installation products from the same manufacturer to ensure compatibility.

### Mortar

Using the appropriate thin-set/mortar is very important for a successful installation. With traditionally sized tile installations, a thin-set is used to bond the tile to the substrate. With large format tiles that often have a 1/4" (6mm) thickness, a regular thin-set can be problematic. For many large format tile installations, it is usually recommended to use a Large format tile thin-set. Using an inadequate amount of mortar can lead to hollow spots. These hollow spots indicate that the tile is not fully supported, and the tile becomes susceptible to cracking and ore loosening at these points.

Mortars designed for Large format Tile (LFT) will support the tile without the tile slumping into the mortar. These mortars, however, can be difficult to trowel and work with in general. Newer types of high-performance medium-bed mortars are formulated to be lighter and much easier to trowel. When selecting a mortar, it is always advisable to consult the material manufacturer for mortar recommendations as not all mortars are suitable for every application.

## Trowel Size

Complete mortar coverage is an essential part of Raphael Porcelain large format tile installations. Without the proper coverage, the tile and grout become susceptible to cracking along with a loss of bond to the tiles. To achieve full coverage, start by using the appropriate trowel and troweling technique. For many large format tile installations, a larger trowel such as 1/2" x 1/2" square notch or a 3/4" x 3/4" rounded notch will help attain adequate coverage. For larger tiles, a U-notch trowel may be necessary for correct coverage.

With a correct trowel, a proper setting bed will be produced to eliminate voids and reduce time spent resetting tiles that don't have full coverage. There is no exact standard for trowel size selection, so that that trowel size may vary for different jobs and substrates. However, the larger the tile size, the larger the trowel that is generally needed. For instance, a 1/2" x 1/2" square or round notch trowel is commonly used for tiles sized from 13" to 20" while a 3/4" x 3/4" rounded notch trowel is typically used for tiles larger than 20". For thin porcelain tile panels, a specialty euro/zipper trowel is often used to achieve full coverage.

## Troweling Thinset

When applying the thinset to the substrate, the thinset should be combed in a linear, uniform direction. With the trowel held at a 45-degree angle, drag the trowel across the thinset in one direction leaving behind straight and full "ribbons" of thinset. Using straight trowel lines will also help prevent voids or air from becoming trapped between the tile and substrate for proper coverage and adhesion.

## Back Buttering

While an LFT thinset will generally require proper coverage, back buttering also helps to achieve full coverage. Back buttering is the process of using the flat side of the trowel to apply a thin layer thinset or mortar to the back of the tile before setting it. This helps to fill any voids on the back of the tile. Back-buttering is especially important with natural stone products such as travertine, granite, marble, slate, etc. because of the naturally occurring spaces and imperfections on the back of the tile. By filling the spaces in with thinset before setting, weaker areas are strengthened, and better coverage is obtained.

For Raphael Porcelain thin panels, a different method is used for back buttering. Instead of using the trowel's flat side to produce an even flat coat on the back of the tile, the trowel's notched side is used to create the same ribbons of thinset as used on the substrate. These thinset ridges should be in a level line across the back of the panel and line up parallel with the substrate's ridges of thinset on the substrate. By troweling both the backside of the panel the same as the substrate, 100% coverage can be achieved, which is essential for Raphael Porcelain thin panel installations' success.

## Crack Isolation

Large format tiles are more susceptible to cracking than smaller sized tiles. Movement, along with tiny cracks in the subfloor, can transfer to the tile and result in cracks. Traditionally, reinforced mortar beds had been used to allow the substrate and tile covering to move independently of each other and prevent the transfer of cracks from the substrate to covering. However, reinforced mortar beds add significant additional height to the installation and aren't practical by today's new construction and remodeling standards.

Uncoupling membranes are designed to replace the traditional reinforced mortar beds without the addition of significant height. While each manufacturer will have its design, in general, uncoupling membranes are composed of a waffle-like grid structure with an anchoring fleece on one side, are lightweight, come in a roll, and are easy to install. Incorporating an uncoupling membrane or other crack isolation underlayment will help to prevent cracks from occurring.

## Lippage

Even with a perfectly flat subfloor, lippage is still another concern for large format tile installations. Lippage occurs when the adjacent edges of the two tiles are not even. The bigger the tile, the more problematic lippage can become. Not only does lippage appear more prominent with larger size tiles, but it also presents a greater tripping hazard. Incorrect mortar bed, wrong setting techniques, and warpage can all lead to lippage.

With the correct setting, practices will help to prevent lippage. Another extremely valuable tool available today is tile leveling systems. Easy-to-use tile leveling systems will significantly help in creating lippage-free installations. These systems generally consist of a few components, including base/bottom plates, caps, straps, and installation gun and can be used for both floor and wall applications.

### **ON POLISHED TILE DO NOT USE THE SCREW DOWN SYSTEM**

## Tile Leveling System

The Tile leveling system is a 3 component tile leveling system including shim, horseshoe, and installation tool, and can be used with grout joints down to 1/32". For wider grout joints, common tile spaces can still be used with the leveling system. The small, square foot/bottom plate attached to each strap's end is slid under the edge of the tile 2 -3 inches from each corner. The cap then slides down over the strap and will sit on the top part of the tile. With the strap and cap in place, the Installation Tool is used to tighten the assembly, locking all the tiles in place for a level and flat surface.

**Raphael Porcelain does not guarantee and does not take responsibility for the installation due to many variables. This is a general guide on how to handle the installation of the material.**