



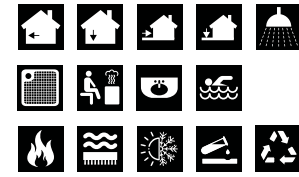
Trends Essentials

Trends Essentials

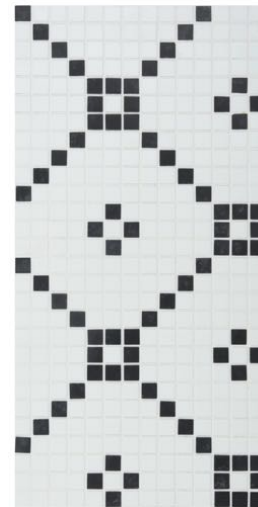




Tavin



In Stock



Cloud & Flint

Unit: 9" x 18 1/8"

Unit Yield: 1.14 sqft

Yield per box: 11.41 sqft

Piece size: Square 5/8"

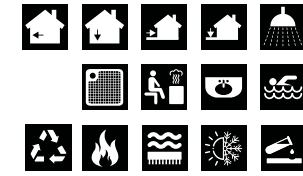
Sheets per box: 10

Pallet Yield: 616.3 sqft

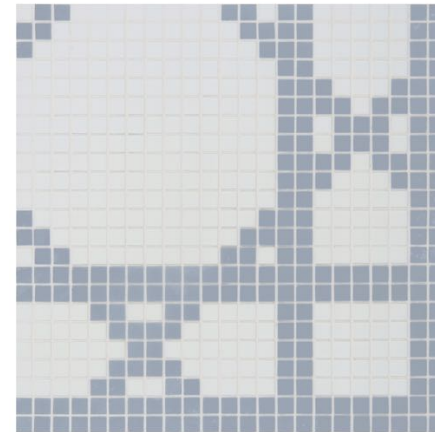




Taytum



In Stock



Cloud & Slate

Unit: 15" x 14 7/8"

Unit Yield: 1.54 sqft

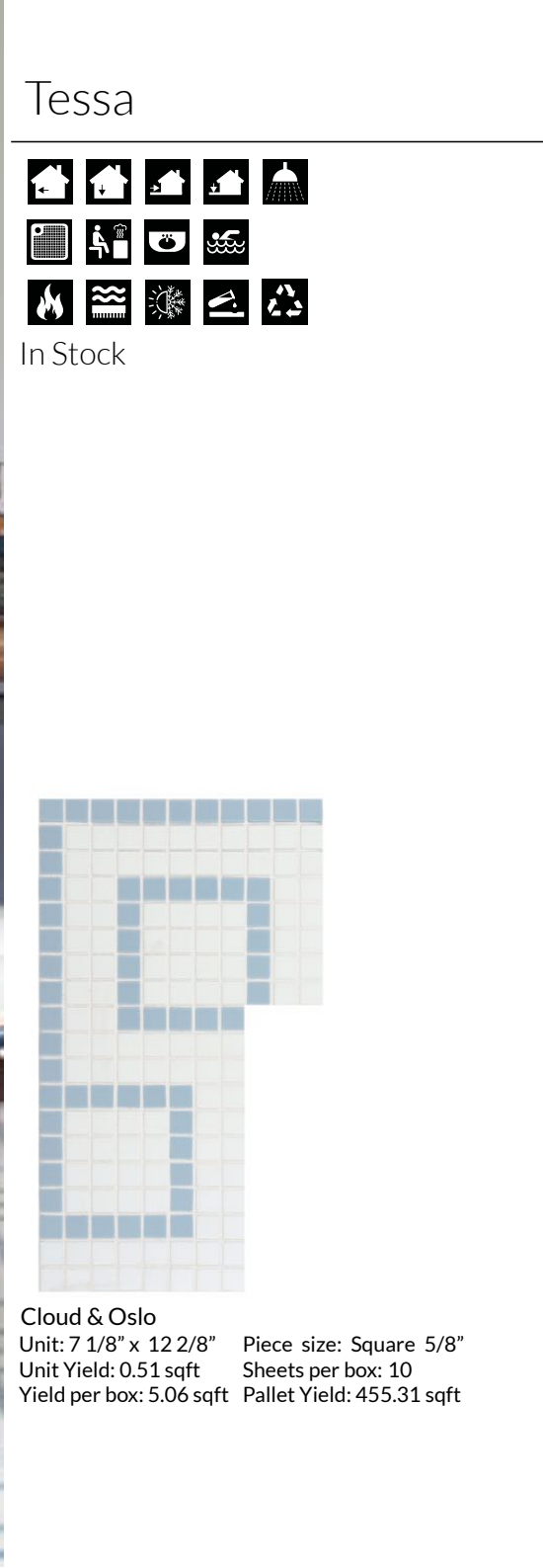
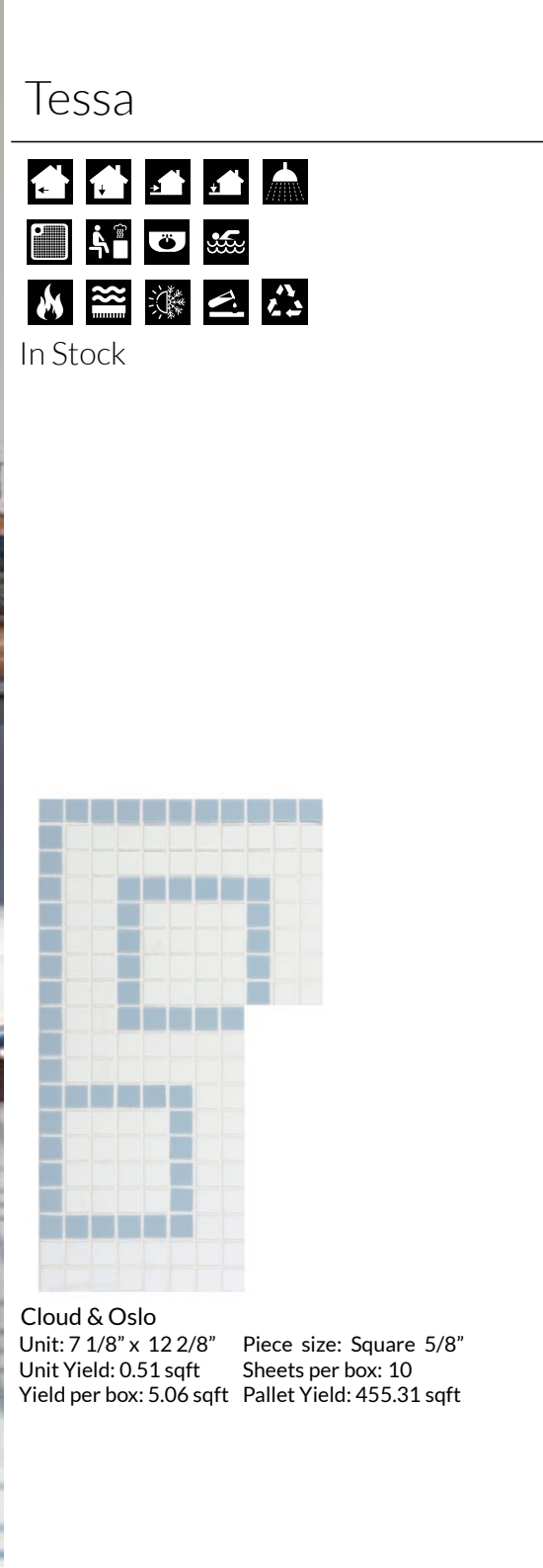
Yield per box: 15.38 sqft

Piece size: Square 5/8"

Sheets per box: 10

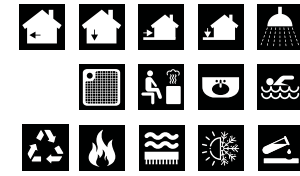
Pallet Yield: 830.51 sqft



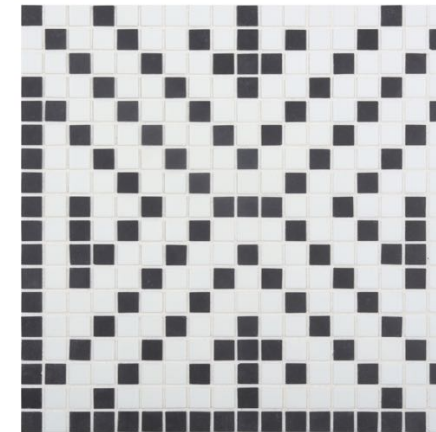




Thalia



In Stock



Cloud & Slate

Unit: 11 5/8" x 11 5/8" Piece size: Square 5/8"

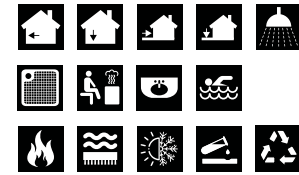
Unit Yield: 0.94 sqft Sheets per box: 10

Yield per box: 9.43 sqft Pallet Yield: 509.27 sqft

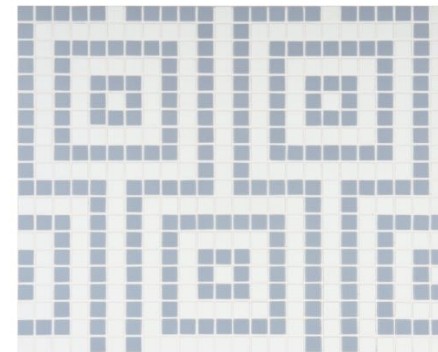




Thayer



In Stock



Cloud & Steel

Unit: 13" x 15 4/8"

Unit Yield: 1.40 sqft

Yield per box: 13.99 sqft

Piece size: Square 5/8"

Sheets per box: 10

Pallet Yield: 755.36 sqft

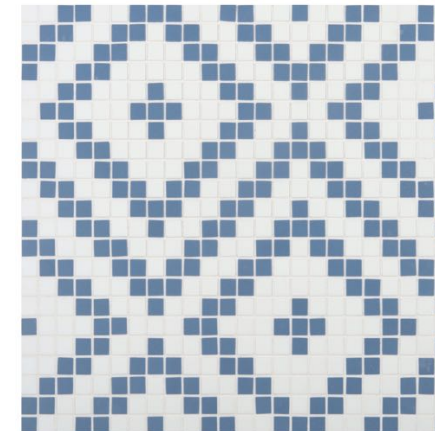




Tilli



In Stock



Cloud & Slate

Unit: 14 1/4" x 15 4/8" Piece size: Square 5/8"

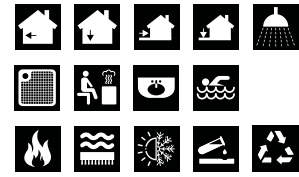
Unit Yield: 1.54 sqft Sheets per box: 10

Yield per box: 15.39 sqft Pallet Yield: 831.13 sqft





Tolan



In Stock



Cloud & Cascade

Unit: 13" x 13"

Unit Yield: 1.17 sqft

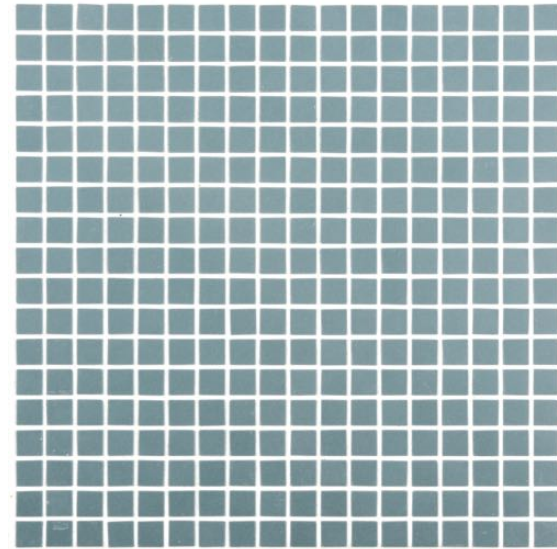
Yield per box: 11.65 sqft

Piece size: Square 5/8"

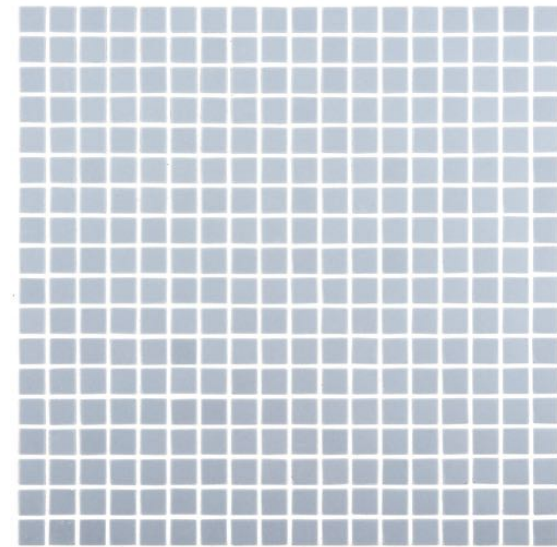
Sheets per box: 10

Pallet Yield: 629.15 sqft

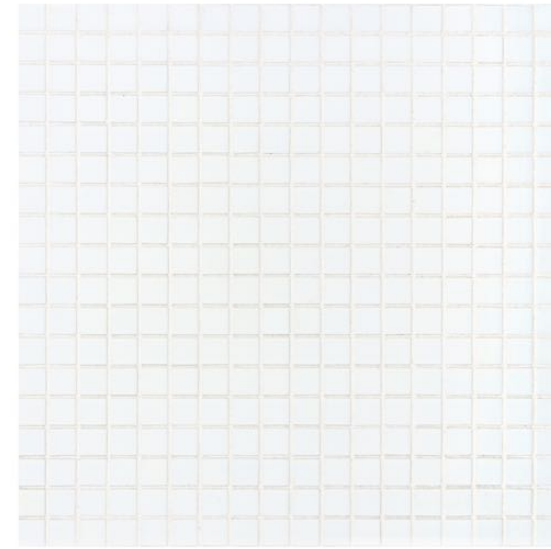




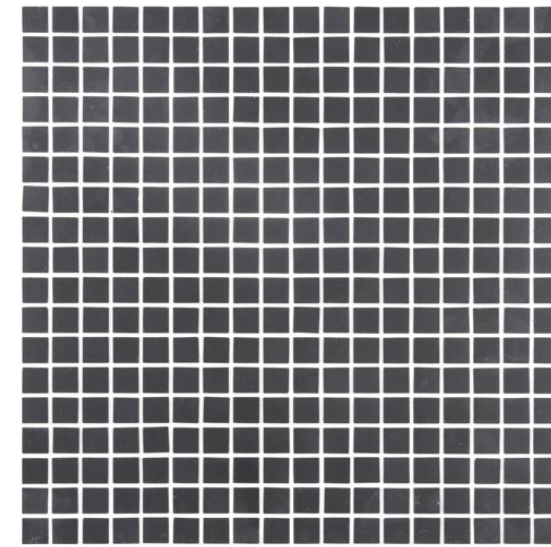
Cascade
 Unit: 11 3/4" x 11 5/8"
 Unit Yield: 0.94 sqft
 Yield per box: 9.43 sqft
 Piece size: Square 5/8"
 Sheets per box: 10
 Pallet Yield: 509.27 sqft



Steel
 Unit: 11 3/4" x 11 5/8"
 Unit Yield: 0.94 sqft
 Yield per box: 9.43 sqft
 Piece size: Square 5/8"
 Sheets per box: 10
 Pallet Yield: 509.27 sqft

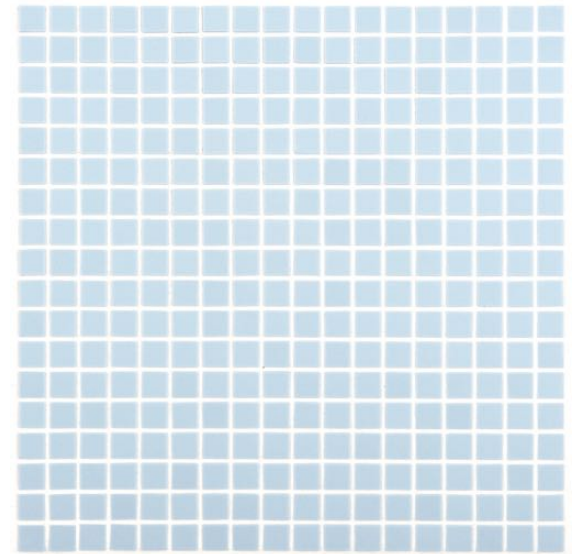


Cloud
 Unit: 11 3/4" x 11 5/8"
 Unit Yield: 0.94 sqft
 Yield per box: 9.43 sqft
 Piece size: Square 5/8"
 Sheets per box: 10
 Pallet Yield: 509.27 sqft



Flint
 Unit: 11 3/4" x 11 5/8"
 Unit Yield: 0.94 sqft
 Yield per box: 9.43 sqft
 Piece size: Square 5/8"
 Sheets per box: 10
 Pallet Yield: 509.27 sqft





Oslo

Unit: 11 3/4" x 11 5/8"

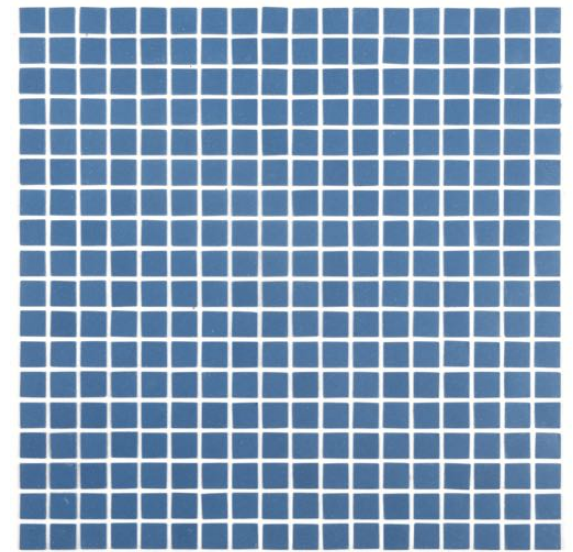
Unit Yield: 0.94 sqft

Yield per box: 9.43 sqft

Piece size: Square 5/8"

Sheets per box: 10

Pallet Yield: 509.27 sqft



Slate

Unit: 11 3/4" x 11 5/8"

Unit Yield: 0.94 sqft

Yield per box: 9.43 sqft

Piece size: Square 5/8"

Sheets per box: 10

Pallet Yield: 509.27 sqft



RECYCLED GLASS

Aluminum

Zinc

Gold

Rose Gold

Cloud

Pumice

Smoke

Charcoal

Iron

Flint

Snow

Salt

Ice

Frost

Porcelain

Ash

Coin

Graphite

Lead

Mist

Steel

Grit

Shadow

Twilight

Arctic

Glacier

Atmosphre

Shore

Dusk

Sky

Aegean

Lapis

Azure

Denim

Oslo

River

Slate

Peacock

Ocean

Teal

Sapphire

Antigua

Oasis

Rain

Fern

Olive

Pistachio

Caramel

Artichoke

Clary

Cascade

Thyme

Canvas

Pine

Seaweed

Basil

Sage

Mint

Juniper

Parakeet

Pickle

Pear

Daffodil

Pansy

Wisteria

Amethyst

Russet

Lace

Blueberry

Mulberry

Currant

Iris

Mauve

Eggplant

Rasin

Velvet

Haze

Lavender

Plum

Aster

Lilac

Dusty

Salmon

Bloom

Petal

Lemon

Dijon

Carrot

Jam

Apple

Scarlet

Crepe

Peach

Cantaloupe

Rose

Linen

Buttermilk

Honey

Cider

Rosewood

Spice

Rust

Ginger

Oat

Parchment

Latte

Biscotti

Fawn

Clay

Mahogany

Flaxen

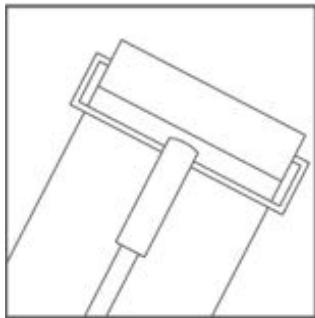
Pebble

Leather

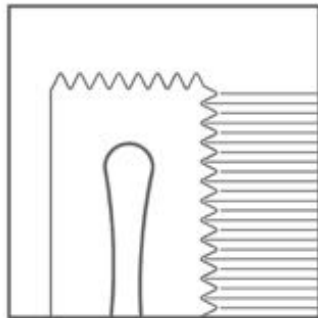
Gravel

Coal

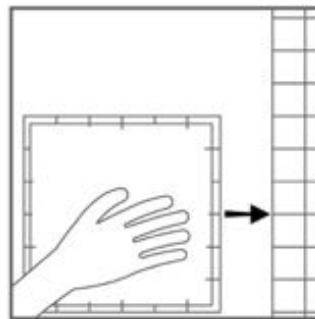
INSTALLATION



step 1
Apply a crack insulation membrane over substrate per the membrane manufacturer's instruction. Using the flat side of a trowel to initiate the bond coat. Firmly apply the setting material to the substrate.

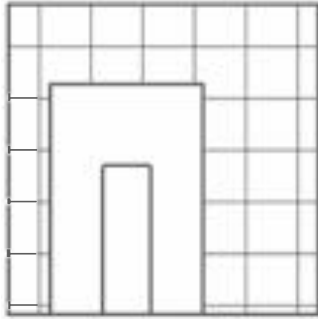


step 2
With additional setting materials, using a ¼" x ¼" V-Notch trowel, comb horizontal, full notches in one direction to establish the proper depth of the setting bed.
**only necessary if there is translucent glass*
Using the flat side of the trowel, flatten the notches to achieve a smooth, consistent setting bed approximately 1/8" thick.

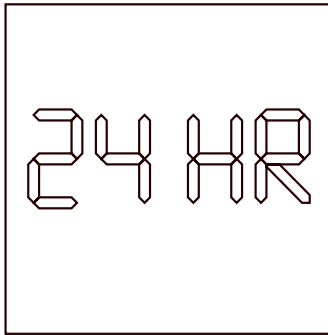


step 3
Apply sheets into the setting bed (tile tape side towards you), using light, even pressure to establish contact and eliminate any voids. Apply each subsequent sheet so that grout joints line up and a consistent field is maintained.

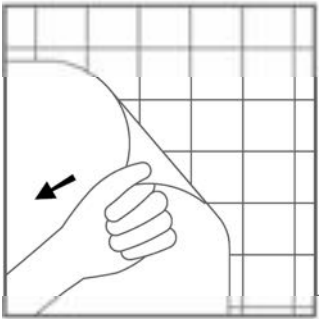
******Prior to setting each sheet, check the setting bed for skinning (slight drying of the thin set surface). If skinning occurs, remove thin set and repeat steps 2 and 3. Pay particular attention to the joints between sheets to eliminate any sheet pattern.



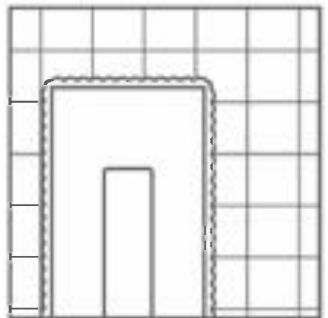
step 4
To achieve a uniform surface:
glass and small piece mosaics= tap lightly using a rubber grout
Large pieced mosaics= use a wooden beating block and a hammer.
**To unify transitions tap from one sheet to the next.*



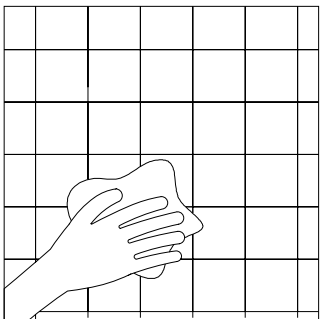
step 5
Cure a minimum of 24 hours prior to cleaning and grouting.
**Check setting materials manufactures specifications for recommended curing time.*



step 6
After approved setting time you may peel the face tape, starting at the corner.
Clean any tape residue with a damp sponge.



step 7
Use grout mixed per manufacturers instructions. When grout joints are 1/32" or less, use a non sanded grout. Apply grout with a rubber float, forcing grout into joints until full.
If the mosaic contains both stone and glass (or metal), expect the grout to dry and set faster around the stone. Due to the impervious nature of glass and metal, grout will take longer to set than with more porous materials such as stone.



step 8
Allow grout joints to take initial set (turn dull). For initial cleaning use clean, dry cheesecloth. This method wicks additional moisture from the grout and avoids washing out the grout joints.

step 9
Allow grout joints to set up a second time (turn dull) and smooth.

step 10
For final polishing of excess grout haze use a clean, soft cloth.

SETTING SYSTEMS

All materials should be used according to manufacturer’s instructions. If the mosaic includes glass tiles, please note that due to the translucent nature of glass, the color of the bonding material will impact the ultimate look of the tile. We recommend the use of specific white bonding mortars; some mixed with specific latex admix. See the following list for required thin-set and follow manufacturer’s recommended cure times for all setting materials. Pools, spas and all submerged applications require a minimum 21-day cure time after grouting and before submersion or exposure to heavy water use.

Although we require the use of highest performing setting materials for installing our products, occasionally, due to the transparent and/or light translucent nature of some of our products, visible effects, also known as “ghosting”, may occur behind glass tiles.

When mixing setting and grouting materials:

1. Measure liquid and powder per manufacturer’s recommendations.
2. Machine mixing will provide more consistent results.
3. Do not exceed 300 rpm or manufacturer’s recommendations.
4. Setting and grouting materials need to slake (set) 10-15 minutes after mixing and be remixed before use.

Acceptable Setting Systems (White)

- Custom Building Products: MegaFlex Crack prevention Mortar
- Custom Building Products: MegaLite Crack Prevention Mortar
- Flextile: 52 Versatile Floor Mortar
- Hydroment” ReFlex Ultra-Premium Latex-Modified Thin Set Mortar
- Kerakoll: H40 Tenax Single Component Thin-Set
- Laticrete: 254 Platinum Multipurpose Thin Set Mortar
- Mapei: Adhesilex P10 mixed with Keraply mortar additive
- TEC (H.B. Fuller): Super Flex Premium Performance Universal Latex-Modified Thin-Set Mortar
- FOR METAL (Geometro): Litokol LitoElastic Epoxy

Unacceptable Setting Systems

- Organic adhesive (mastic) – due to yellowing and low bond strength
- Epoxy – due to low flexibility, as well as degeneration in UV sunlight

Movement Joints

Movement joints are essential for the success of most tile installations. Follow recommendations on Movement Joints EJ171-07 in the “2008 TCA Handbook for Ceramic Tile Installation.” Movement joint requirements will vary depending on substrate, climate and size of installation. An architect or design professional should be consulted when specifying the exact number and location of each movement joint. Saw-tooth joints are not recommended. Certain application may require a different type of sealant.

Acceptable Flexale Joint Fillers

- Hydroment: Chem-Calk 900 One-Part Urethane Sealant
- Kerakoll: Sigibuild PU Poly-Urethane Sealant
- Laticrete: Latasil 100% Silicone
- Silaflex: 1A or 2C Polyurethane-based Sealant

SETTING SYSTEMS

Grout

Install grout mix according to manufacturer’s instructions. Grout should be full and uniformly finished. Due to the impervious quality of glass, the grout will take longer to begin setting-up. For initial cleaning of grout from the tile face, use clean, dry cheesecloth. This wicks additional moisture from the grout and avoids washing out the joints. Use on a clean, damp sponge for the final cleaning and smoothing of the joints. For final polishing of excess haze use a clean, soft cloth.

Acceptable Grouts

- Custom Building Products: Prism SureColor Grout (can go in pools)
- Custom Building Products: Fusion Grout
- Custom Building Products: Polyblend Sanded Tile Grout
- Flextile: 600 Polymer Sanded Floor Grout
- Hydroment: Sanded Ceramic Tile Grout
- Kerakoll: Fugabella 2-12
- Laticrete: 1500 Series Tile Grout or Equivalent
- Mapei: Ker200 Series and Ker700 Series Ultra/Color
- Tec: AccuColor Premium Sanded Tile Grout
- Litokol Starlike (for LeMer)
- Litokol Starlike grout or Customs Prism (for Gunmetal - Geometro)

An Acrylic grout admix can improve freeze-thaw resistance. Check manufacturer’s recommendations.

Unacceptable Grout

- Epoxy Grout – due to low flexibility, as well as degeneration in UV sunlight
- Non-sanded grout – due to shrinkage
- Consult grout manufacturers before considering blue, green or red grout in submerged applications.

Anti-Fracture/Waterproofing Membranes

- Aquafin 1K and 2K/M: Cementitious waterproofing system
- Custom Building products: RedGard Waterproofing and Crack Prevention Membrane
- Hydroment: Gold Anti-fracture and waterproofing membrane
- Laticrete: 9235 waterproof & anitfracture membrane
- Tec: T1-324 Triple-Flex waterproofing/crack isolation membrane
- Xypex: Concentrate

NOTE: We do not recommend membranes directly behind the setting material when installing translucent or transparent glass tile.

RECYCLED TEST RESULTS

Test Results of ROHS Directive

Tested Elements	Results(ppm)
CADMIUM (cd)	ND
LEAD (cd)	ND

ppm= parts per million
ND= Not Detected

Radioactivity of Building Materials

RADIOACTIVITY OF BUILDING MATERIALS WERE EVALUATED IN ACCORDANCE WITH GB 6566-2010, TYPE A DECORATION MATERIALS.

Tested Elements	Results
RADIUM-226 Radioactivity Rate Activity, Bq/kg	4.906
THORIUM-232 Radioactivity Rate Activity, Bq/kg	2.999
POTASSIUM-40 Radioactivity Rate Activity, Bq/kg	48.61

TYPE A DECORATION MATERIALS

Requirements	Results
IRRADIATION < 1. 0	< 0.1
EXTERNAL IRRADIATION < 1. 3	< 0.1

RADIOACTIVITY OF BUILDING MATERIALS CONFORM TO REQUIREMENTS
SPECIFIED IN GB 6566-2010, TYPE A DECORATION MATERIALS.

Recycled Content of Material

THE FACTORY DECLARES THAT THE CONTENTS OF ENAMEL GLASS MOSAIC ARE SILICA (SIO2) AND ZIRCONIUM SILICATE; AND ALL MATERIALS ARE RECYCLED FROM COLLET. NO OTHER NEW RAW MATERIALS ARE ADDED DURING THE MANUFACTURING PROCESS. THE RECYCLED CONTENT OF MATERIALS IS 98%.

Water Absorption

Group No.	Test Method	Test Results (%)	
1	ISO 10545-3:1995	1.00	Average: 0.67
2		0.43	
3		0.49	
4		0.57	
5		1.09	
6		0.66	
7		0.51	
8		0.61	
9		0.63	
10		0.72	

Specimen dimensions: 20mm X 20mm x 7mm, 9pcs in each group

Resistance to Stain

Group No.	Test Method	Green Staining	Iodine 13g/L	Olive Oil
1	ISO 10545-14:1995	5	5	5
2		5	5	5
3		5	5	5
4		5	5	5
5		5	5	5

Specimen dimensions: 20mm X 20mm X 7mm, 15pcs

Thermal Stability

Test Items	Test Method	Test Results
Thermal Stability	With reference to GB/T 7697-1996	No cracking or breakage on the surface of all test specimens
Thermal Shock Resistance	ISO 10545-9:2013	Fully resistance
Frost Resistance	ISO 10545-12: 1995/Cor I: 1997	Fully resistance

Specimen dimensions: 20mm x 20mm x 7mm, 50pcs

Coefficient of Friction

Test method: GB/T 4100-2006 Annex M Determining the Coefficient of Friction of Ceramic Tile Specimens: 170mmx170mm, 3pcs, all test samples were cut from the products with the size of 320mmx320mm

Test Items	Test Results
Coefficient of Friction for Dry Surface	0.77
Coefficient of Friction for Wet Surface	0.50

Resistance to Surface Abrasion

Test method: Refer to ISO 10545-7:1996 Ceramic tiles-part 7: Determination of resistance to surface abrasion for glazed tiles
Specimens: mosaic
Test Results: After 1500 revolutions, visual failure occurred.

Chemical Resistance

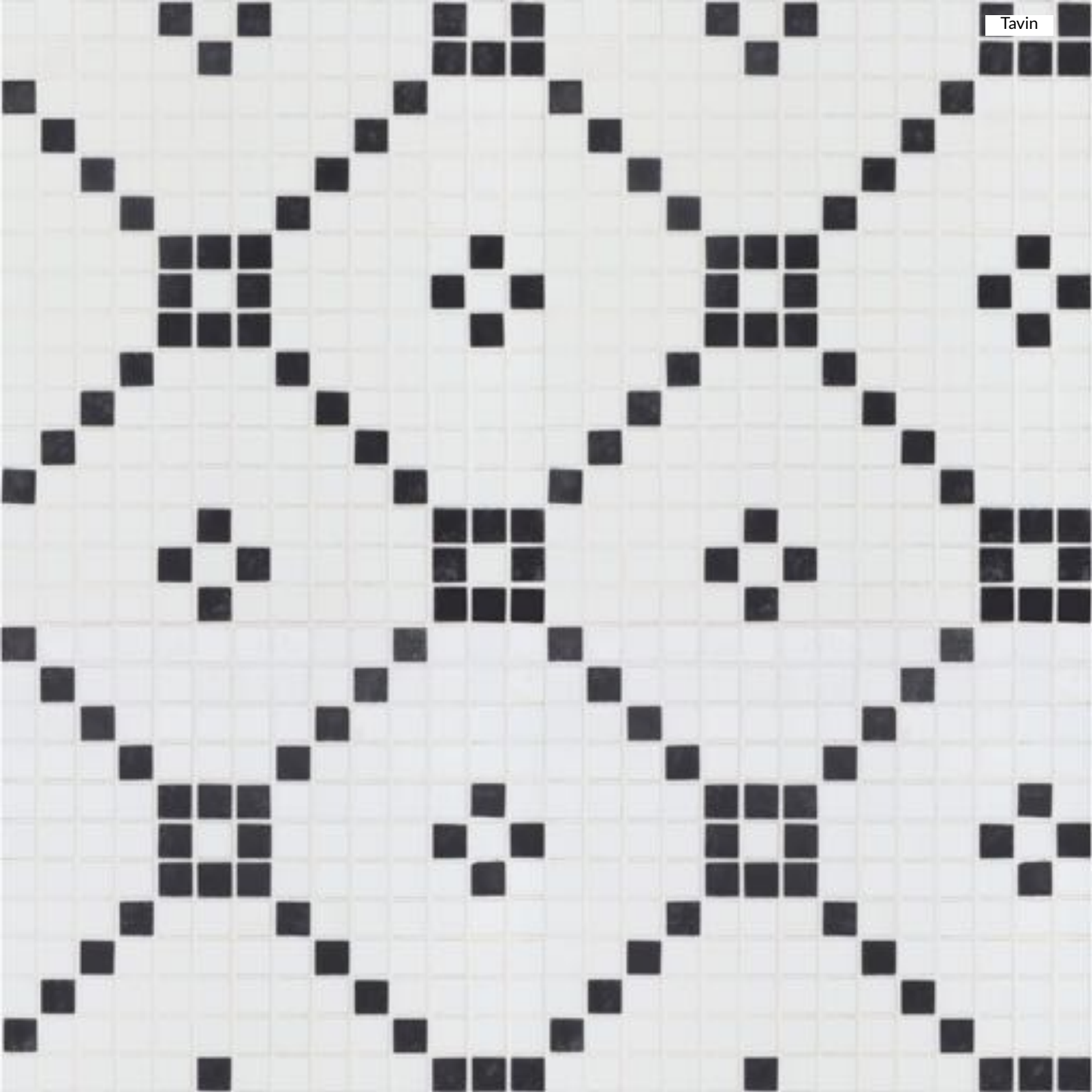
Test method: GB/T 4100-2006 Annex M Determining the Coefficient of Friction of Ceramic Tile Specimens: 170mmx170mm, 3pcs, all test samples were cut from the products with the size of 320mmx320mm

Aqueous test solutions		Test Results	
Household chemicals	Ammonium chloride solution, 1 00g/l	Visual examination	Class: GA
Swimming pool salts	Sodium hypochlorite solution,20mg/l	Visual examination	Class: GA
Low concentrations acids & alkalis	Hydrochloric acid solution,3%(V/V)	Visual examination	Class: GLA
	Citric acid solution, 100g/l	Visual examination	Class: GLA
	Potassium hydroxide solution, 30g/l	Visual examination	Class: GLA

ISO 13006:2012 Ceramic tiles -Definitions, classification, characteristics and ,marking

Properties	Test Method	Requirements	Results	Verdicts
Physical property				
Water absorption percent mass fraction	ISO 10545-3: 1 99 5/Cor. 1 : 1997	Eb>IO% Individual minimum 9%	11.7% 11.2%~ 12.2%	P
Thermal shock resistance	ISO 10545-9:2013	Test method available	Fully resistance	-
Frost resistance	ISO 10545-12: 1995/Cor l : 1997	required	Fully resistance	P
Chemical Property				
Resistance to staining				
a) Green staining agent in light oil	ISO 10545-14:2015	Minimuin Class 3	Class 5	P
b) Red staining agent in light oil	ISO 10545-14:2015	Minimuin Class 3	Class 5	P
c) Olive oil	ISO 10545-14:2015	Minimuin Class 3	Class 5	P
Resistance to chemicals & swimming pool salts				
a) Household chemicals: Ammonium1 chloride, l OOll/L	ISO 10545-13:2016	Minimum GB	A	P
b) Swimming pool salts: Sodium hypochoric solution, 20mg/L	ISO 10545-13:2016	Minimum GB	A	P
Resistance to low concentrations of acids and alkalis				
a) Hydrochloric acid solution, 3% (v/v)	ISO 10545-13:2016	Manufac1rer to state classification	LB	-
b) Citric acid solution, l OOg/L	ISO 10545-13:2016	Manufac1rer to state classification	LA	-
c) Potassium hydroxide, 30g/L	ISO 10545-13:2016	Manufac1rer to state classification	LA	-
Resistance to high concentrations of acids and alkalis				
a) Hydrochloric acid solution, 18% (v/v)	ISO 10545-13:2016	Test Method available	HB	-
b) Lactic acid, 5 % (v/v)	ISO 10545-13:2016	Test Method available	HA	-
c) Potassium hydroxide, l OOg/L	ISO 10545-13:2016	Test Method available	HA	-
Lead & Cadmium release				
a) Lead release, in mg/dm2	ISO 10545-15:1995	Test Method available	<0.01	-
b) Cadmium release, in 1ng/d1n2	ISO 10545-15:1995	Test Method available	<0.002	-

1. P(ass): Test item does meet the requirement.
2. F(ail) : Test item, does not meet the requirement.
3. -: Verdict was not carried out.
4. N/A: Test case does not apply to the test item



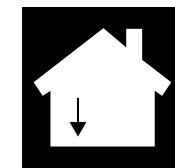
Tavin

APPLICATIONS & SPECIFICATIONS

Applications:



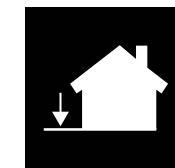
Interior
Wall



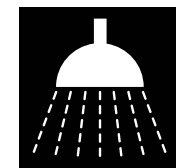
Interior
Floor



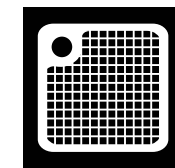
Exterior
Wall



Exterior
Floor



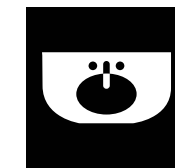
Shower



Wet/Shower
Floor



Spa/Steam
Room



Table/Surface
Top



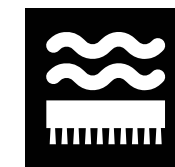
Pool/
Submersion

Specifications:

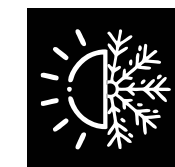


Lineal
Thermal
Expansion
Tested

mantel face
& hearth, not
approved for
interior firebox



Abrasion
Resistant

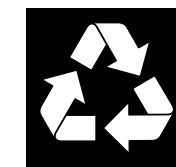


Frost Resistant



Chemical
Resistant

resistant to
staining agents



Made from
Recycled
Material & Can
be Recycled

INDEX

A -C

Application & Spec	37
Cascade	18
Cloud	19

F-O

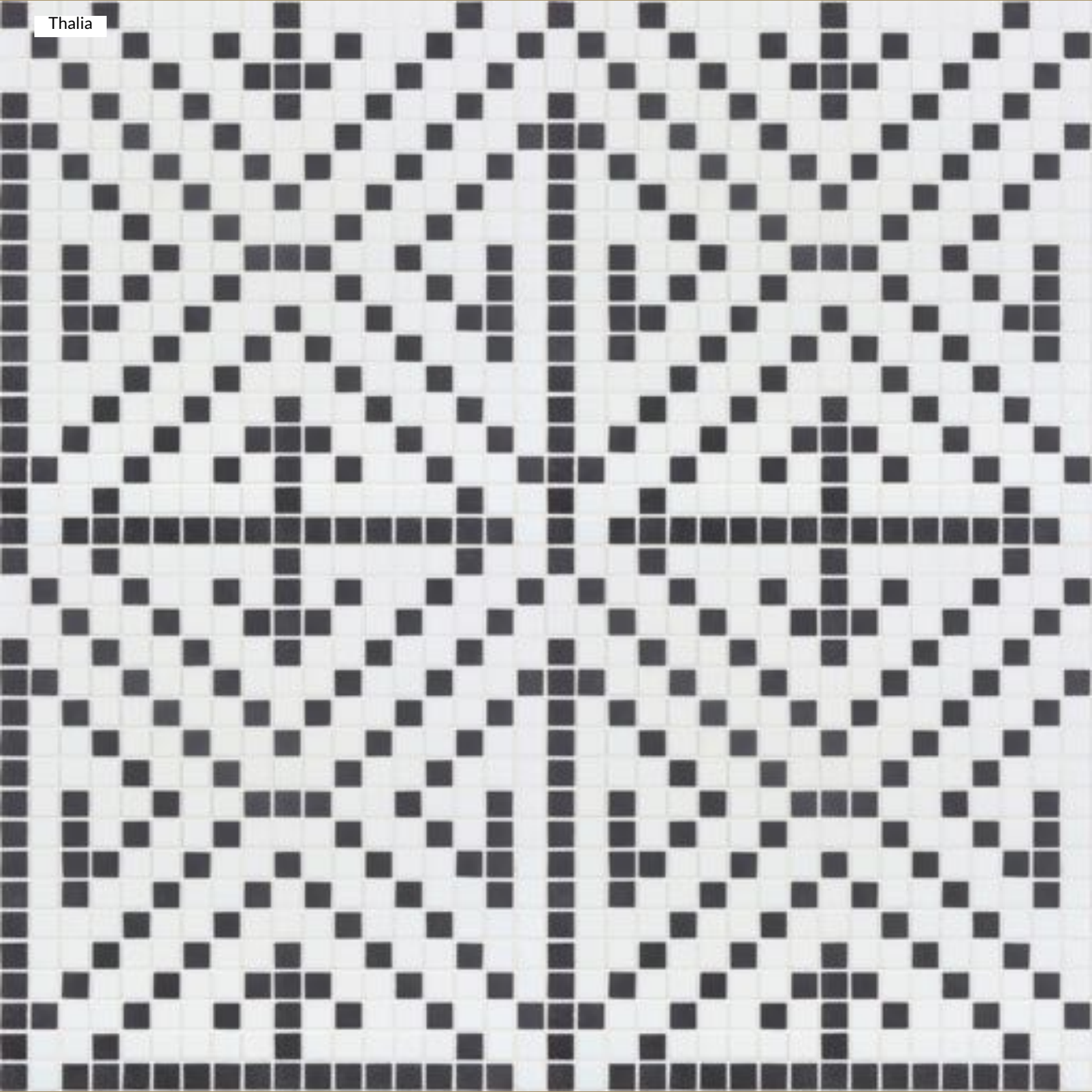
Flint	19
Oslo	21
Installation	26-27

R-S

Recycled Glass	24-25
Recycled Test Results	32-35
Setting Systems	28-31
Slate	21
Steel	18

T

Tavin	4-5
Taytum	6-7
Tessa	8-9
Thalia	10-11
Thayer	12-13
Tilli	14-15
Tolan	16-17



Thalia



