

**autostone**  
floor systems



# Kia 2.0 America

## Technical Specifications

*2024.01 Edition*

Kia Gallery Program  
[AutoStoneUSA.com/Kia](https://AutoStoneUSA.com/Kia)



**MADE IN AMERICA  
STOCKED IN USA**

**AutoStoneUSA.com**

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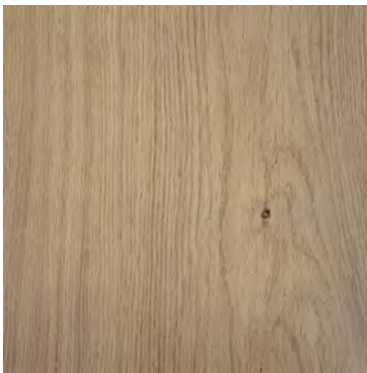


## T-1

**Series:** Concrete  
**Color:** Smoke  
**Finish:** Natural | Honed  
**Code:** AS.11036373232NH  
**Size:** 32" x 32" (U.S. Nominal Dimensions)

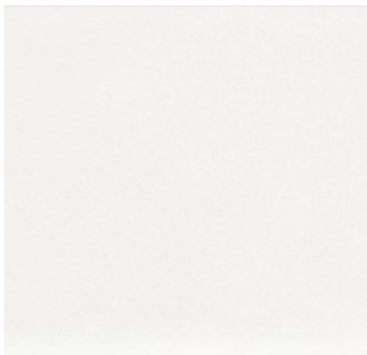


Important installation note for tile contractors: AutoStoneUSA, TCNA, NTCA, ANSI, and Kia 2.0 brand standards require tile installers open multiple boxes of tile prior to installing and "shuffle" tiles to assure a randomized tile pattern when installing.



## T-2

**Series:** Amberwood Plank  
**Color:** Maple Harvest  
**Finish:** Natural  
**Size:** 8" x 48" (U.S. Nominal Dimensions)



## T-3

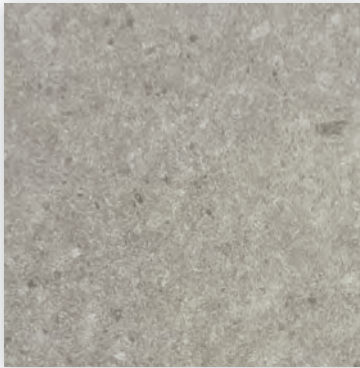
**Series:** Station America - A  
**Color:** White  
**Finish:** Matte  
**Code:** ASUSA.25226E.PBA  
**Size:** 4" x 16" (U.S. Nominal Dimensions)



## T-4

**Series:** Station America - B  
**Color:** White  
**Finish:** Matte  
**Code:** ASUSA.25237E.PBA  
**Size:** 4" x 16" (U.S. Nominal Dimensions)





## T-1

**Series:** Concrete  
**Color:** Smoke  
**Finish:** Natural | Honed  
**Code:** AS.11036373232NH  
**Size:** 32" x 32" (nominal)

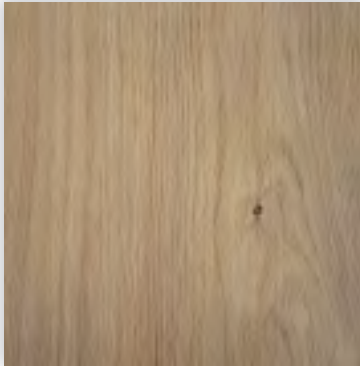


## Technical Specifications

This product meets or exceeds all standards described in ANSI A137.1.

	SPECS	TEST METHOD	INDUSTRY STANDARD	AUTOSTONE VALUES	
	WATER ABSORPTION	ASTM C373	≤0.5%	≤0.4%	
	<b>CERTIFIED PORCELAIN™</b> <small>0.5% or less water absorption</small>	ASTM C373	0.5%	Meeting the water absorption criteria of the American national standard PTCA	
	SURFACE WEAR RESISTANCE	ANSI A137.1	Surface Wear-resistance properties of glazed vitreous and porcelain tiles.	ALL RESIDENTIAL / COMMERCIAL	
	CHEMICAL RESISTANCE	ASTM C650	A tile sample is placed in continuous contact with a variety of chemicals for 24 hours. No sample must show visible defects.	NOT AFFECTED	
	D.C.O.F. AcuTest®	ANSI A326.3	≥0.42 WET	≥0.42 WET	
	STAIN RESISTANCE	ASTM C1378	Surfaces are exposed to staining agents for 24 hours followed by four cleaning procedures. Results are recorded post cleaning.	NOT AFFECTED	
	BREAKING STRENGTH	ASTM C648	≥250 lbf	8mm ≥300 lbf 10mm ≥400 lbf	
	RESISTANCE TO FREEZE	ASTM C1026	A tile sample is subjected to repeated processes of freezing and thawing. Sample must show no visible defects.	RESISTANT	
	WARPAGE EDGE	ASTM C485	±0.40% or ±0.05 in (±1.8 mm)	± 0.40%	Rectified
	WARPAGE DIAGONAL	ASTM C485	±0.40% or ±0.07 in (±1.8 mm)	± 0.40%	Rectified
	WEDGING	ASTM C502	±0.25% or ±0.03 in (±0.8 mm)	± 0.25%	Rectified
	WARPAGE EDGE	ASTM C485	±0.50% or ±0.07 in (±1.8 mm)	± 0.50%	Calibrated
	WARPAGE DIAGONAL	ASTM C485	±0.50% or ±0.07 in (±1.8 mm)	± 0.50%	Calibrated
	WEDGING	ASTM C502	±0.50% or ±0.08 in (±2.0 mm)	± 0.50%	Calibrated
	THICKNESS	ASTM C499	Range: ± 0.04 in	≤0.04 in	

• Due to the inherent nature of fired porcelain tile, it is important to note that the coefficient of friction may vary within and between product runs.



## T-2

**Series:** Amberwood Plank

**Color:** Maple Harvest

**Finish:** Natural

**Size:** 06" x 32" (nominal)

**Size:** 08" x 48" (nominal)



## Technical Specifications

This product meets or exceeds all standards described in ANSI A137.1.

	SPECS	TEST METHOD	INDUSTRY STANDARD	AUTOSTONE VALUES	
	WATER ABSORPTION	ASTM C373	≤0.5%	≤0.4%	
	<b>CERTIFIED PORCELAIN TILE</b> <small>0.5% or less water absorption</small>	ASTM C373	0.5%	Meeting the water absorption criteria of the American national standard PTCA	
	SURFACE WEAR RESISTANCE	ANSI A137.1	Surface Wear-resistance properties of glazed vitreous and porcelain tiles.	ALL RESIDENTIAL / COMMERCIAL	
	CHEMICAL RESISTANCE	ASTM C650	A tile sample is placed in continuous contact with a variety of chemicals for 24 hours. No sample must show visible defects.	NOT AFFECTED	
	D.C.O.F. AcuTest®	ANSI A326.3	≥0.42 WET	≥0.42 WET	
	STAIN RESISTANCE	ASTM C1378	Surfaces are exposed to staining agents for 24 hours followed by four cleaning procedures. Results are recorded post cleaning.	NOT AFFECTED	
	BREAKING STRENGTH	ASTM C648	≥250 lbf	8mm ≥300 lbf 10mm ≥400 lbf	
	RESISTANCE TO FREEZE	ASTM C1026	A tile sample is subjected to repeated processes of freezing and thawing. Sample must show no visible defects.	RESISTANT	
	WARPAGE EDGE	ASTM C485	±0.40% or ±0.05 in (±1.8 mm)	± 0.40%	Rectified
	WARPAGE DIAGONAL	ASTM C485	±0.40% or ±0.07 in (±1.8 mm)	± 0.40%	Rectified
	WEDGING	ASTM C502	±0.25% or ±0.03 in (±0.8 mm)	± 0.25%	Rectified
	WARPAGE EDGE	ASTM C485	±0.50% or ±0.07 in (±1.8 mm)	± 0.50%	Calibrated
	WARPAGE DIAGONAL	ASTM C485	±0.50% or ±0.07 in (±1.8 mm)	± 0.50%	Calibrated
	WEDGING	ASTM C502	±0.50% or ±0.08 in (±2.0 mm)	± 0.50%	Calibrated
	THICKNESS	ASTM C499	Range: ± 0.04 in	≤0.04 in	

• Due to the inherent nature of fired porcelain tile, it is important to note that the coefficient of friction may vary within and between product runs.



## T-3

**Series:** Station America - A

**Color:** White

**Finish:** Matte

**Code:** ASUSA.25226E.PBA

**Size:** 4" x 16" (U.S. Nominal Dimensions)



## T-4










**Series:** Station America - B

**Color:** White

**Finish:** Matte

**Code:** ASUSA.25237E.PBA

**Size:** 4" x 16" (U.S. Nominal Dimensions)

 Finish	 Freeze Resistant	 Shade Variation	 Color Body	 Water Absorption	 Stain Resistant	 DCOF AcuTest	 Chemical Resistant	 Mohs Hardness
MATTE	N/A	V1	N/A	≥ 10%	Resistant	N/A	Resistant	5
GLOSSY	N/A	V1	N/A	≥ 10%	Resistant	N/A	Resistant	5

### PACKING INFO

Product Size Inches	THICKNESS MM	LBS/ CARTON	PCS/ CARTON	SF/ CARTON	SF/ PALLET	LBS/ PALLET	CARTON/ PALLET
4x16	7.44	23.15	20	8.39	587.30	1,670	70
1/4x8	7.44	2.16	70	N/A	N/A	317.91	124

For reference only.

### USAGE INFORMATION

➤ Suitable for commercial and residential wall.

### FORMATS



4x16



1/4x8

Application	Residential	Commercial	Industrial
Floors			
Wall & Backsplash	√	√	√
Counters			

\*Wall installation only



### T-3

**Series:** Station America - A  
**Color:** White  
**Finish:** Matte  
**Code:** ASUSA.25226E.PBA  
**Size:** 4" x 16" (U.S. Nominal Dimensions)

**Note:** this is a NEW approved Kia 2.0 T-3 & T-4 tile option by AutoStoneUSA.

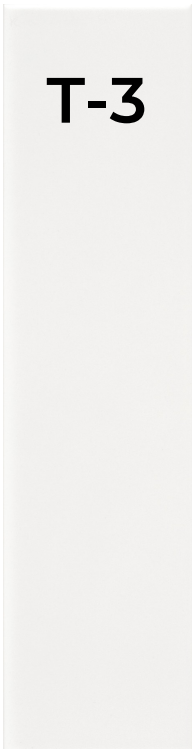
This is approved for your Kia project and is to be installed in the vertical direction as shown below.

This is a GREAT and modern look that Kia dealers LOVE. Ask your AutoStone representative for more information.



### T-4

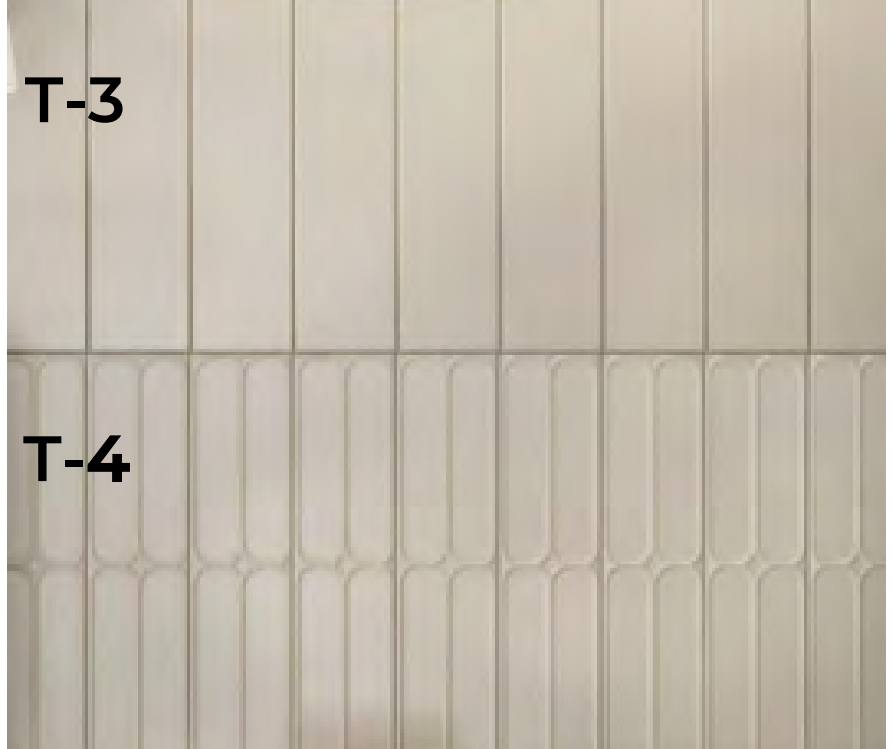
**Series:** Station America - B  
**Color:** White  
**Finish:** Matte  
**Code:** ASUSA.25237E.PBA  
**Size:** 4" x 16" (U.S. Nominal Dimensions)



T-3



T-4



T-3

T-4



**Alloy Grey**

**Series:** DriveSeriesUSA  
**Color:** Alloy Grey  
**Finish:** Brightfinish  
**Texture:** LINE with SuperGrip  
**Size:** 8" x 8" (nominal size)

**Genesis-Carbon Black**

**Series:** DriveSeriesUSA  
**Color:** Genesis-Carbon  
**Finish:** Brightfinish  
**Texture:** LINE with SuperGrip  
**Size:** 8" x 8" (nominal size)



**Product Use Category 4.1.4 Exterior Wet (EW) & 4.1.5 (O/G)**

Evaluate for use in automotive workshop and service drive environments.

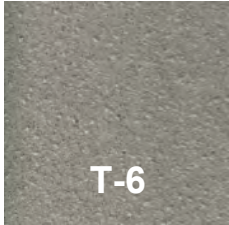
**4.1.4 (Exterior, Wet)** - level outdoor spaces walkways, sidewalks, where such floors may be walked upon when wet (excluding ice or snow) if level, clean, maintained and free of standing water or other contaminants.

**4.1.5 (Oils/Greases)** - level areas regularly exposed to automotive fluids, etc., so long as such floors are level, regularly cleaned, maintained and free of standing water and contaminant build-up. Consult with your architect to determine dealership practices. Review ANSI A326.3 2021 standard. **DCOF** - Meets and exceeds .55 DCOF rating as required for ANSI A326.3 4.1.4. Exterior Wet and 4.1.5 Oils / Grease.

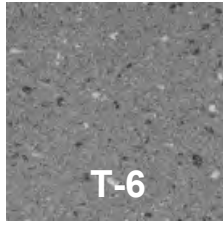
Black

<b>SURFACES DIMENSION AND QUALITIES</b>	<b>ANSI A326.3 2022 STANDARDS</b>	<b>4.1.4 EW &amp; 4.1.5 O/G RESULT "AutoStone Results"</b>
Sides W 20X20 cm	UNI EN ISO 10545-2	+/- 0,1% +/- 1,5%
Surface qualities: percentage of acceptable tiles per lot	UNI EN ISO 10545-2	> 95%
Straightness of sides	UNI EN ISO 10545-2	+/- 0,0%
Rectangularity	UNI EN ISO 10545-2	+/- 0,1%
Surface flatness: centre curvature	UNI EN ISO 10545-2	+/- 0,2%
Surface flatness: edge curvature	UNI EN ISO 10545-2	+/- 0,1%
Surface flatness: warpage	UNI EN ISO 10545-2	+/- 0,2%
<b>PHYSICAL PROPERTIES</b>		
Water mass absorbed in %	UNI EN ISO 10545-3	0,03
Average breaking load (N)	UNI EN ISO 10545-4	2500
Average <u>moduls</u> of rupture (N/mm2)	UNI EN ISO 10545-4	51
Average breaking strength (N)	UNI EN ISO 10545-4	2458
Abrasion volume (mm3)	UNI EN ISO 10545-6	152
Thermal expansion coefficient	UNI EN ISO 10545-8	6.2 MK <sup>1</sup>
Thermal shock resistance	UNI EN ISO 10545-9	resistant
Frost resistance	UNI EN ISO 10545-12	resistant
Resistance of the colors in the light	DIN 51094	resistant
<b>CHEMICAL PROPERTIES</b>		
Resistance to chemical products	UNI EN ISO 10545-13	resistant
Stain resistance	UNI EN ISO 10545-14	Class 5

Please note that no tile is slip proof. There are many things that you should address when you select products for your service drive and vehicle drop-off areas, or any and all areas of your dealership. STF (slip, trip, and fall) risk occur anywhere and everywhere. There are many things that impact your dealership which can either help or hinder your ability to manage this risk. These are things that include: facility design, protection from the weather, proper drainage, dealership cleaning practices, dealership management practices, access doors, floor slope and the number of customers you service daily. These are just a few of the many things that must be considered and factored in when you select the product you use for your service lane and shop areas. Your architect is your primary resource for assuring that the floors specified for all areas of your dealership are the correct product and application. They have access to most of the necessary items to provide you the best or better tool to help manage the risk associated with slip and fall accidents. There are no guarantees that eliminate this risk. There are only better practices and products that help you better manage these risks.



Color: Alloy Grey  
Size: 12" x 12"  
Finish: Textured.



Color: Smoke Grey  
Size: 12" x 12"  
Finish: Textured.



Color: Carbon Black  
Size: 12" x 12"  
Finish: Textured.

## Product Use Category 4.1.3. Interior, Wet Plus (IW+)

**4.1.3 Interior, Wet Plus (IW+)** Evaluate for interior use in automotive workshop and service drive environments with high speed doors and tech locker rooms. Enviroshop is medium traction surface. For interior applications, with good drainage. Floors walked on when wet if level, clean, maintained and free of standing water or other contaminants. Should be cleaned with frequent maintenance to keep clean.

**DCOF** Meets and exceeds .50 DCOF rating as required for ANSI A326 4.1.3 (IW+)

Slip-and-Fall Standard	ANSI 326.3:2017 4.1.2 Interior Wet Plus	>.50 DCOF RESULT
SURFACES DIMENSION AND QUALITIES	STANDARDS	"AutoStone Results"
Sides W 300X300 mm      Thickness 9.0 mm	UNI EN ISO 10545-2	+/- 0,1%    +/- 1,5%
Surface qualities: percentage of acceptable tiles per lot	UNI EN ISO 10545-2	> 95%
Straightness of sides	UNI EN ISO 10545-2	+/- 0,0%
Rectangularity	UNI EN ISO 10545-2	+/- 0,1%
Surface flatness: centre curvature	UNI EN ISO 10545-2	+/- 0,2%
Surface flatness: edge curvature	UNI EN ISO 10545-2	+/- 0,1%
Surface flatness: warpage	UNI EN ISO 10545-2	+/- 0,2%
<b>PHYSICAL PROPERTIES</b>		
Water mass absorbed in %	UNI EN ISO 10545-3	0,03
Average breaking load (N)	UNI EN ISO 10545-4	2500
Average <u>moduls</u> of rupture (N/mm2)	UNI EN ISO 10545-4	51
Average breaking strength (N)	UNI EN ISO 10545-4	2458
Abrasion volume (mm3)	UNI EN ISO 10545-6	152
Thermal expansion coefficient	UNI EN ISO 10545-8	6.2 MK <sup>1</sup>
Thermal shock resistance	UNI EN ISO 10545-9	resistant
Frost resistance	UNI EN ISO 10545-12	resistant
Resistance of the colors in the light	DIN 51094	resistant
<b>CHEMICAL PROPERTIES</b>		
Resistance to chemical products	UNI EN ISO 10545-13	resistant
Stain resistance	UNI EN ISO 10545-14	Class 5

Please note that no tile is slip proof. There are many things that you should address when you select products for your service drive and vehicle drop-off areas, or any and all areas of your dealership. STF (slip, trip, and fall) risk occur anywhere and everywhere. There are many things that impact your dealership which can either help or hinder your ability to manage this risk. These are things that include: facility design, protection from the weather, proper drainage, dealership cleaning practices, dealership management practices, access doors, floor slope and the number of customers you service daily. These are just a few of the many things that must be considered and factored in when you select the product you use for your service lane and shop areas. Your architect is your primary resource for assuring that the floors specified for all areas of your dealership are the correct product and application. They have access to most of the necessary items to provide you the best or better tool to help manage the risk associated with slip and fall accidents. There are no guarantees that eliminate this risk. There are only better practices and products that help you better manage these risks.

AutoStone enviroshop series is a medium-traction textured surface that meets and/or exceed the ANSI A326 standard referring to slip and fall ratings. The minimum threshold standard is .42 DCOF (dynamic coefficient of friction). The texture that appears on the surface of your sample may vary in different production runs.



## Thinset Installation Method (For Floor Tiles)

- Thinset mortar installation minimum. ANSI A118.4 (polymer modified). Recommended 100% coverage for tile.
- Grout to be a high-performance system with stain resistant properties. Installation to be 1/8" to 3/16" width.
- Grout specification minimum: ANSI A118.7.
- See AutoStone supplied setting materials for actual product codes and grout color.

## AutoStoneUSA Support

AutoStone has a team that supports your Kia project. If your call is not answered immediately, you will receive a return call no later than one business day. All emails are monitored and will be responded to quickly. We are here to support your project!

Email: [kia@autostoneusa.com](mailto:kia@autostoneusa.com)

Kia Line: 214-393-4875

## Request For Quote

Website: [www.autostoneusa.com/rfq-kia](http://www.autostoneusa.com/rfq-kia)

## Kia Brand Page

Website: [www.autostoneusa.com/kia](http://www.autostoneusa.com/kia)

## Contact Information

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