

**autostone**  
floor systems



# Kia 2.0America Technical Specs

*2022Edition*

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

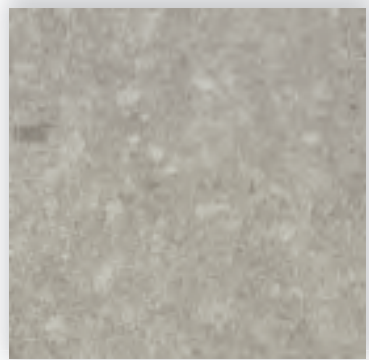
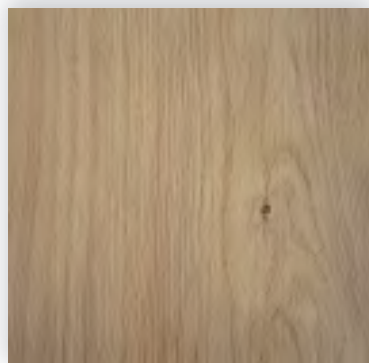


**Made in USA**

**Supply Chain**

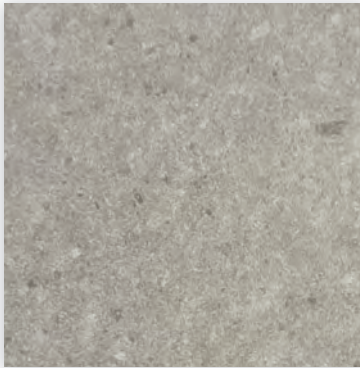


**Strong**



**AutoStoneUSA.com**

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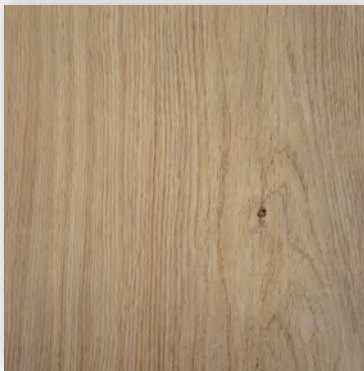


## T-1

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



**AutoStone Kia 2.0 tiles**  
T-1, T-2 are the same thickness  
(10 mm thick)



## T-2

**Series:** Amberwood Plank  
**Color:** Maple Harvest  
**Finish:** Natural  
**Size:** 06" x 32" (nominal)  
**Size:** 08" x 48" (nominal)

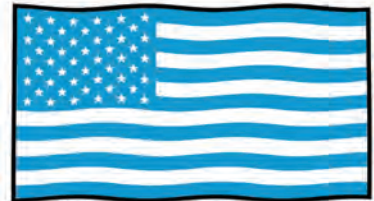


**Other tile option mixes different thicknesses of materials.**



## T-3

**Series:** Urban Walls  
**Color:** Pure  
**Finish:** Glossy  
**Code:** AS.1102522.UW.PU.Glossy  
**Size:** 3" x 12" (nominal)



**AutoStone Kia 2.0 tiles**  
(T-1, T-2, T-3, T-4, T-5, T-6, and T-7)  
are USA manufactured



The **MOST** affordable  
tile choice!



## T-4

**Series:** Urban Walls  
**Color:** Pearl  
**Finish:** Lineal Chisel  
**Code:** 1103644.312BNMT  
**Size:** 03" x 12" (nominal)



Easy to work with,  
helpful & supportive



## T-1

**Series:** Concrete

**Color:** Smoke

**Finish:** Natural | Honed

**Code:** AS.11036373232NH

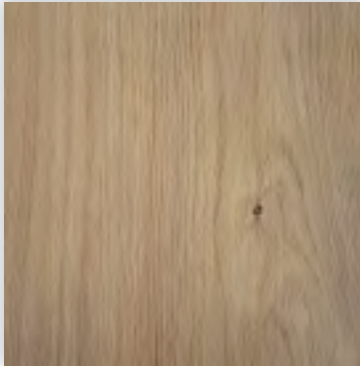
**Size:** 32" x 32" (nominal)

## 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> TILE <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:** Urban Walls













**Color:** Pure

**Finish:** Glossy

**Code:** AS1102522.UW.PUGlossy

**Size:** 3" x 12" (nominal)

### TECHNICAL SPECIFICATIONS

	SPECS	TEST METHOD	INDUSTRY STANDARD	AUTOSTONE VALUES
	WATER ABSORPTION	ASTM C373	≤0.5%	≤0.4%
	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 lb/ft <sup>2</sup>	8mm ≥300 lb/ft <sup>2</sup> 10mm ≥400 lb/ft <sup>2</sup>
	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	Warpage ± 0.4% or ± 0.05 in	≥± 0.4%
	WARPAGE DIAGONAL	ASTM C485	Warpage ± 0.4% or ± 0.07 in	≥± 0.4%
	WARPAGE EDGE	ASTM C485	Warpage ± 0.5% or ± 0.07 in	≥± 0.5%
	WARPAGE DIAGONAL	ASTM C485	Warpage ± 0.5% or ± 0.07 in	≥± 0.5%
	WEDGING	ASTM C502	± 0.25% or ± 0.03 in	≥± 0.25%
	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-4













**Series:** Urban Walls

**Color:** Pearl

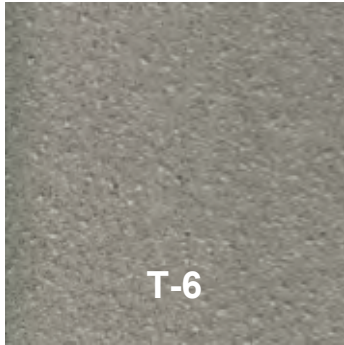
**Finish:** Lineal Chisel

**Code:** AS1103644.312BNMT

**Size:** 03" x 12" (nominal)

	SPECS	TEST METHOD	INDUSTRY STANDARD	AUTOSTONE VALUES
	WATER ABSORPTION	ASTM C373	≤0.5%	≤0.4%
	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 lb/ft <sup>2</sup>	8mm ≥300 lb/ft <sup>2</sup> 10mm ≥400 lb/ft <sup>2</sup>
	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	Warpage ± 0.4% or ± 0.05 in	≥± 0.4%
	WARPAGE DIAGONAL	ASTM C485	Warpage ± 0.4% or ± 0.07 in	≥± 0.4%
	WARPAGE EDGE	ASTM C485	Warpage ± 0.5% or ± 0.07 in	≥± 0.5%
	WARPAGE DIAGONAL	ASTM C485	Warpage ± 0.5% or ± 0.07 in	≥± 0.5%
	WEDGING	ASTM C502	± 0.25% or ± 0.03 in	≥± 0.25%
	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.

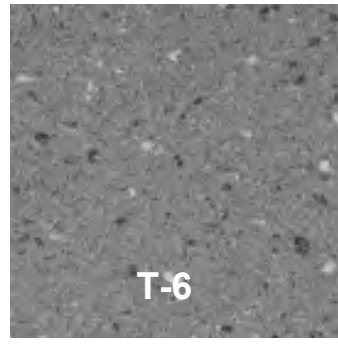


T-6

enviroshop

Color: Alloy Grey  
Size: 12" x 12"

Code: AS.ES.AlloyGrey.1212.GF  
Finish: Textured.



T-6

enviroshop

Color: Smoke Grey  
Size: 12" x 12"

Code: AS.ES.SmokeGrey.1212.GF  
Finish: Textured.



T-7

enviroshop

Color: Carbon Black  
Size: 12" x 12"

Code: AS.ES.CarbonBlack.1212.GF  
Finish: Textured.

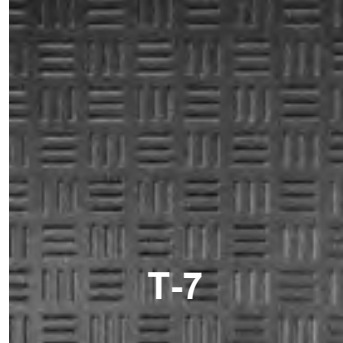
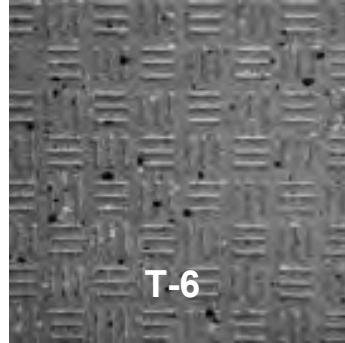
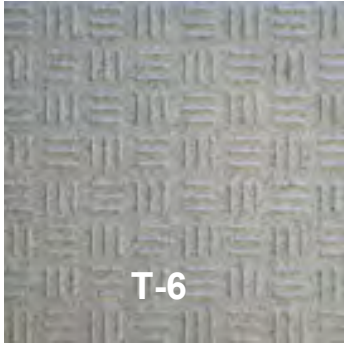


Slip-and-Fall Standard	ANSI A137.1-2012 / 9.6.1	Exceeds DCOF .42
<b>SURFACES DIMENSION AND QUALITIES</b>	<b>STANDARDS</b>	<b>RESULT</b> "AutoStone Results"
Sides W 300X300 mm      Thickness 9.0 mm	UNI EN ISO 10545-2	+/- 0,1%    +/- 1,5%
Surface qualities: percentage of acceptable tiles per lot	UNI EN 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.

**driveseries!**  
advanced surface technology



**driveseries!**  
advanced surface technology

Color: Alloy Grey  
Size: 08" x 08"

Code: AS.DS.AlloyGrey.0808  
Finish: High-Traction

**driveseries!**  
advanced surface technology

Color: Smoke Grey Size:  
08" x 08"

Code: AS.DS.SmokeGrey.0808  
Finish: High-Traction

**driveseries!**  
advanced surface technology

Color: Carbon Black  
Size: 08" x 08"

Code: AS.DS.CarbonBlk.0808  
Finish: High-Traction.

**brightfinish**  
ultra cleanable  
technology

Slip-and-Fall Standard	Slip-and-Fall Standard	ANSI A137.1-2012 / 9.6.1	Exceeds DCOF .42 <b>RESULT</b> "AutoStone Results"
SURFACES DIMENSION AND QUALITIES		STANDARDS	
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.

AutoStone driveseries is a high-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.