

Ecoscape

APPLICATIONS & INSTALLATIONS
20mm PORCELAIN PAVERS



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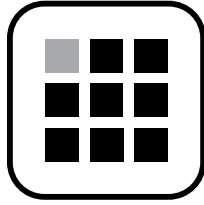
01 VERSATILE, RESISTANT & FUNCTIONAL



Can easily be removed, inspected, reused & is eco-friendly



Colors remain stable overtime



Easy to install



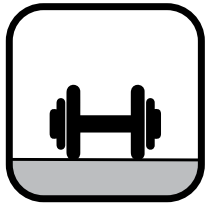
Easy to clean



Frost-resistant and fire-proof



Non-slip



Resistant to heavy loads



Resistant to mold & bacteria



Resistant to salt



Resistant to stains, acids & chemical agents



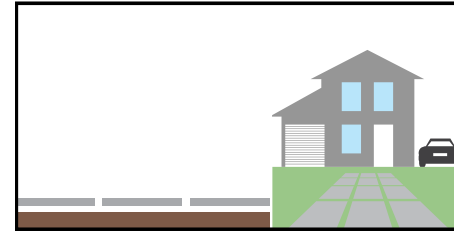
Resistant to thermal shock



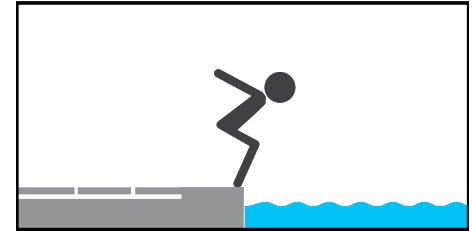
Resistant to vehicular passage
(installed on screed)

02 INTENDED USES

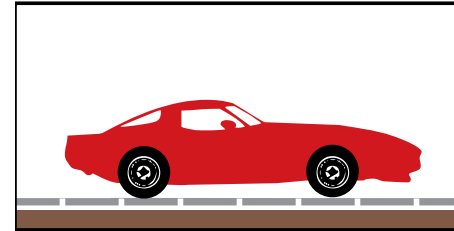
The characteristics of Ecoscape and its ease of installation, both with or without adhesive, make the Ecoscape 20mm porcelain pavers by Florida Tile the best solution for external flooring of public and residential areas, such as those listed below.



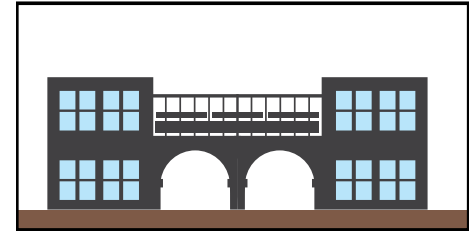
Walkways



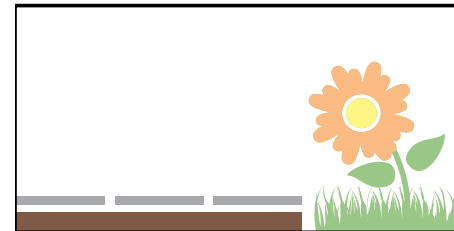
Garden paths and swimming pools



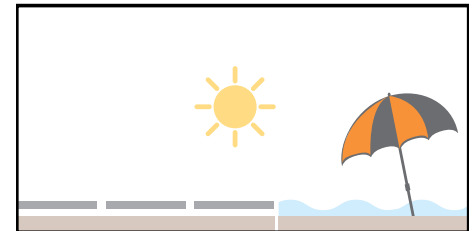
Parking lots



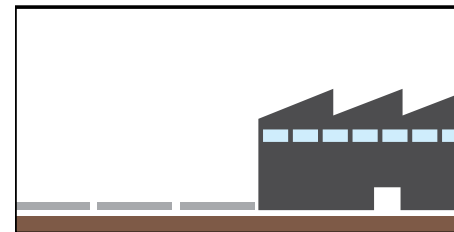
Terraces



Public parks and gardens



Bathing facilities



Industrial areas



Urban space areas

03 INSTALLATION APPLICATIONS

Ecoscope by Florida Tile 20mm porcelain paver is an innovative solution that is very versatile due to the numerous laying possibilities it offers: dry installation on grass or gravel, as well as adhesive-based installation.



For further information **read 3.1**

DRY INSTALLATION ON GRASS

- Easy to lay, adjust, and/or move
- Ideal solution for public parks and private gardens



For further information **read 3.3**

INSTALLATION ON SCREED WITH ADHESIVE

- Driveway paving
- Matching interior and exterior areas



For further information **read 3.2**

DRY INSTALLATION ON GRAVEL

- Easy to lay, adjust, and/or move
- Aesthetic features ideal for enhancing contemporary buildings



ELEVATED FLOOR INSTALLATION

Due to the lack of accepted industry standards for pedestal tile installations, Florida Tile is unable to warrant or certify its products for installation using pedestals. If you decide to install 2cm tile in an elevated floor installation, please ensure that all pedestal manufacturer recommendations and installation guidelines are followed, and that a qualified installer is engaged.

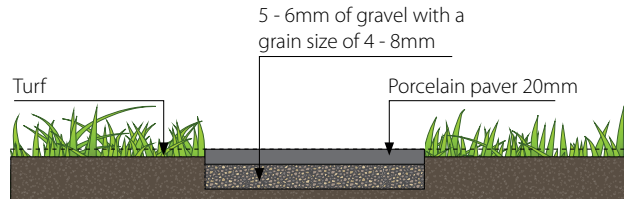
In the case of external dry installations, the force of the wind, in particular types of applications or geographical locations, can cause lifting of the slabs. It is recommended that the professional installer always check the suitability of the installation system selected according to local regulations in force.

NOTE: Failure to follow the above recommendations may result in misuse of the product and cause injury to persons and/or damage to property.

03.1 DRY INSTALLATION ON GRASS

LAYING STEPPING STONES

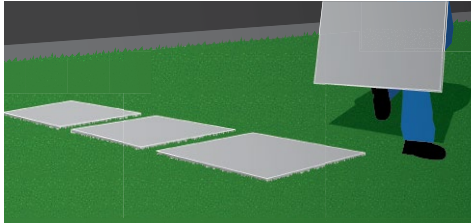
To create a pathway with stepping stones it is important to determine the number of steps necessary, making sure that the tiles are positioned at equal distances. To obtain maximum stability, it is recommended to dig out approximately 5cm of soil, then place a fine layer of gravel. Compact the substrate, then position the tile. It is better to lay the surface of the pavers level with the turf to avoid lawn mower damage.



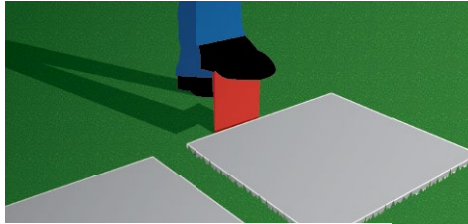
The application layers proposed with are to be taken as an indication, with the sole purpose of explaining how to obtain a correct installation. It is recommended to always refer to specific norms and regulations in each individual country and the instructions of the design team.

NECESSARY MATERIALS FOR LAYING ON GRASS

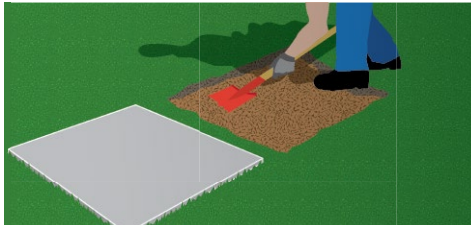
Shovel, fine gravel (grain size 4/8mm), trowel with square tip, rubber mallet, work gloves, and lifting tong.



Position the 20mm tiles on the ground to determine their correct positioning, making sure that they are placed at equal distances.



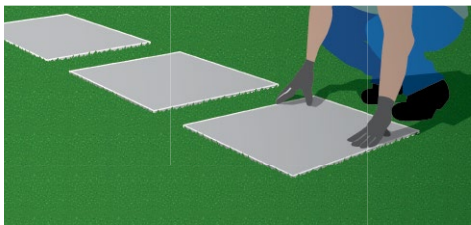
Mark the perimeter of the 20mm tile using a spade in the soil.



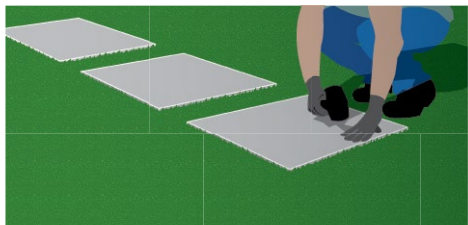
Remove the turf and dig out about 5cm of soil.



Form a stable and uniform substrate using fine gravel (grain size 4/8mm).



Lay the 20mm paver, so as to have an approximately 0.5cm level difference, between the paver and the ground.

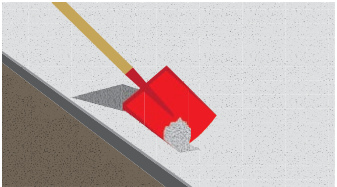


Using a rubber mallet, hammer the edge until the 20mm paver is at the same level as the grass.

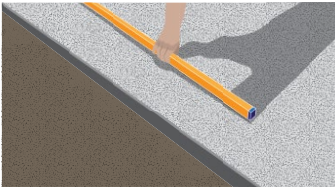


03.2 DRY INSTALLATION ON GRAVEL

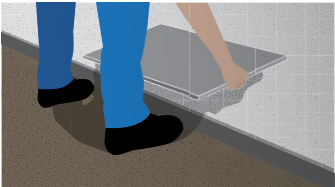
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Form a stable and uniform substrate using fine gravel (grain size 4/8mm).

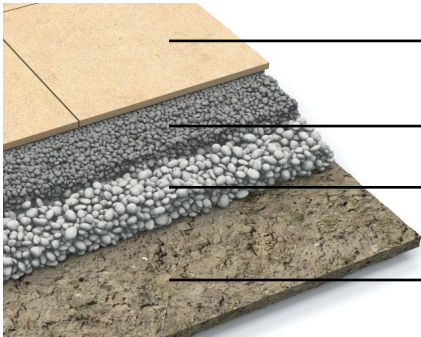


Level the substrate with a metal straightedge.



Position the paver and then compact the edges in order to equalize the paver with the substrate. It is suggested to use a joint of 4mm to allow good water drainage.

GRAVEL (GROUND / SOIL)



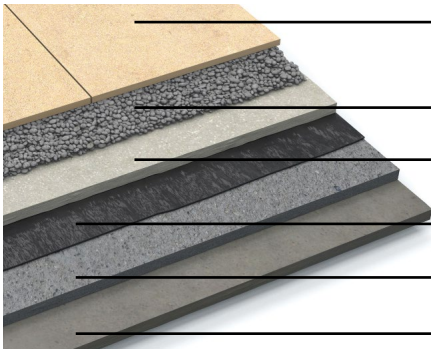
Florida Tile Ecoscape 20mm porcelain paver

5-6cm of gravel with a fine grain size 4/8mm

Draining layer

Ground

GRAVEL (FLOOR) LAYING ON FLAT HARD SURFACE



Florida Tile Ecoscape 20mm porcelain paver

Ballast (5-6cm of gravel with grain size 4/8mm)

Separation layer of drainage membrane

Waterproof layer

Sloped screed

Floor base



03.3 INSTALLATION ON SCREED WITH ADHESIVE

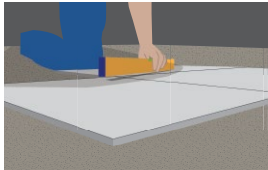
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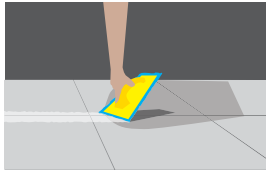
Before proceeding with the installation, clean the substrate thoroughly.



For a planar end result, it is important to apply a homogeneous layer of adhesive.



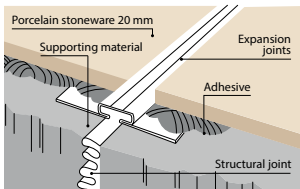
Check the planarity of the flooring during the laying operation.



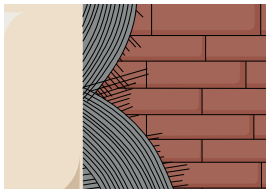
Once the installation is finished, grout the flooring. Remember to observe the times indicated by the manufacturer for light foot traffic before walking on the pavers.



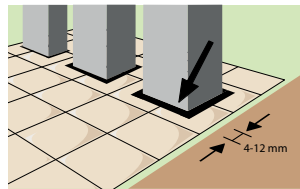
"Post-laying" cleaning helps remove residues of grout-joints, cement, and lime. It is mandatory at the end of the floor installation process.



In correspondence with a structural or dividing joint in the screed, it is mandatory to provide an expansion joint with a width that is at least the size of the existing one.

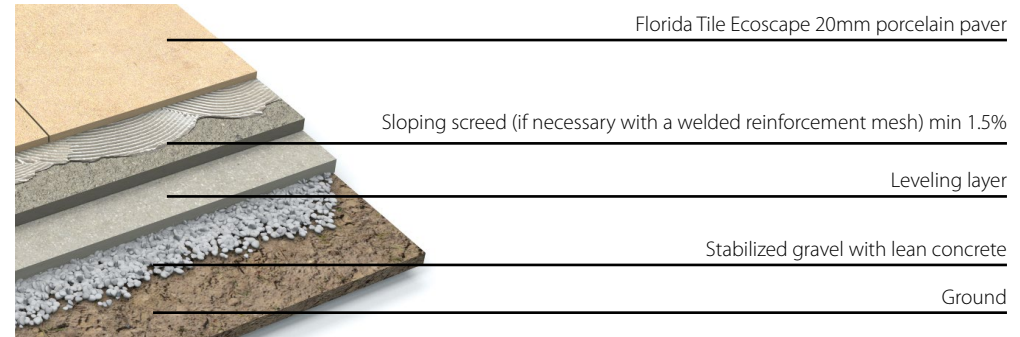


If there are joints between different surface types (e.g. between reinforced concrete and other paving), it is mandatory to provide an expansion joint.

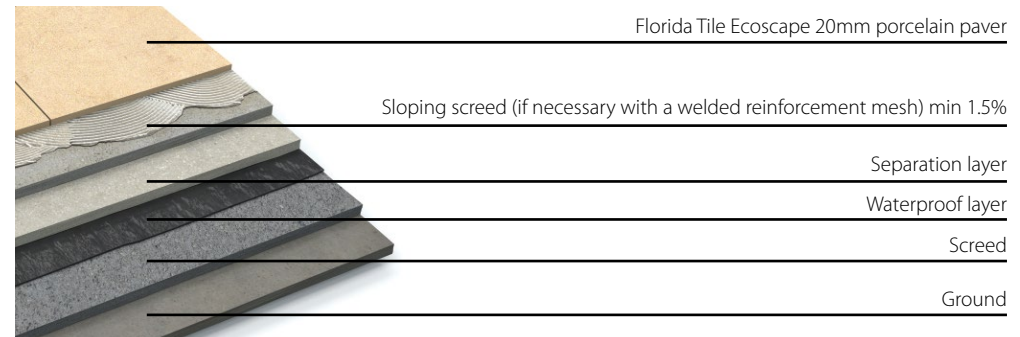


Around fixed elements of the supporting surface, such as walls, steps, columns, etc., it is mandatory to provide peripheral joints with a width of between 4 and 12mm.

SCREED (GROUND)

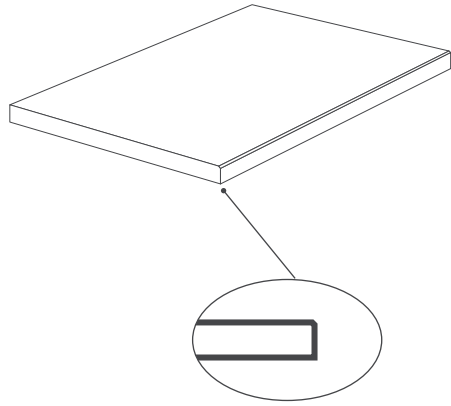


SCREED (FLOOR BASE) LAYING ON FLAT SURFACES

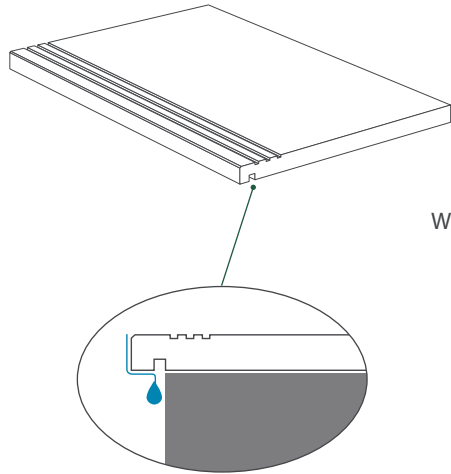


For external installation on screed with adhesive we recommend a joint of at least 5mm. The size and position of the expansion joints must be established by the installation supervisor. They must have a width of between 4 and 12mm, and divide the surface into regular areas with sizes ranging from 3x3m to 4x2.5m.

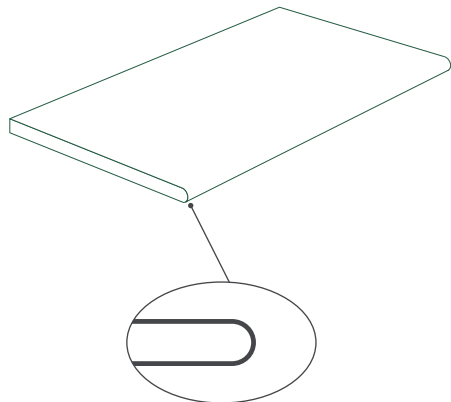
04 SPECIAL TRIM ELEMENTS



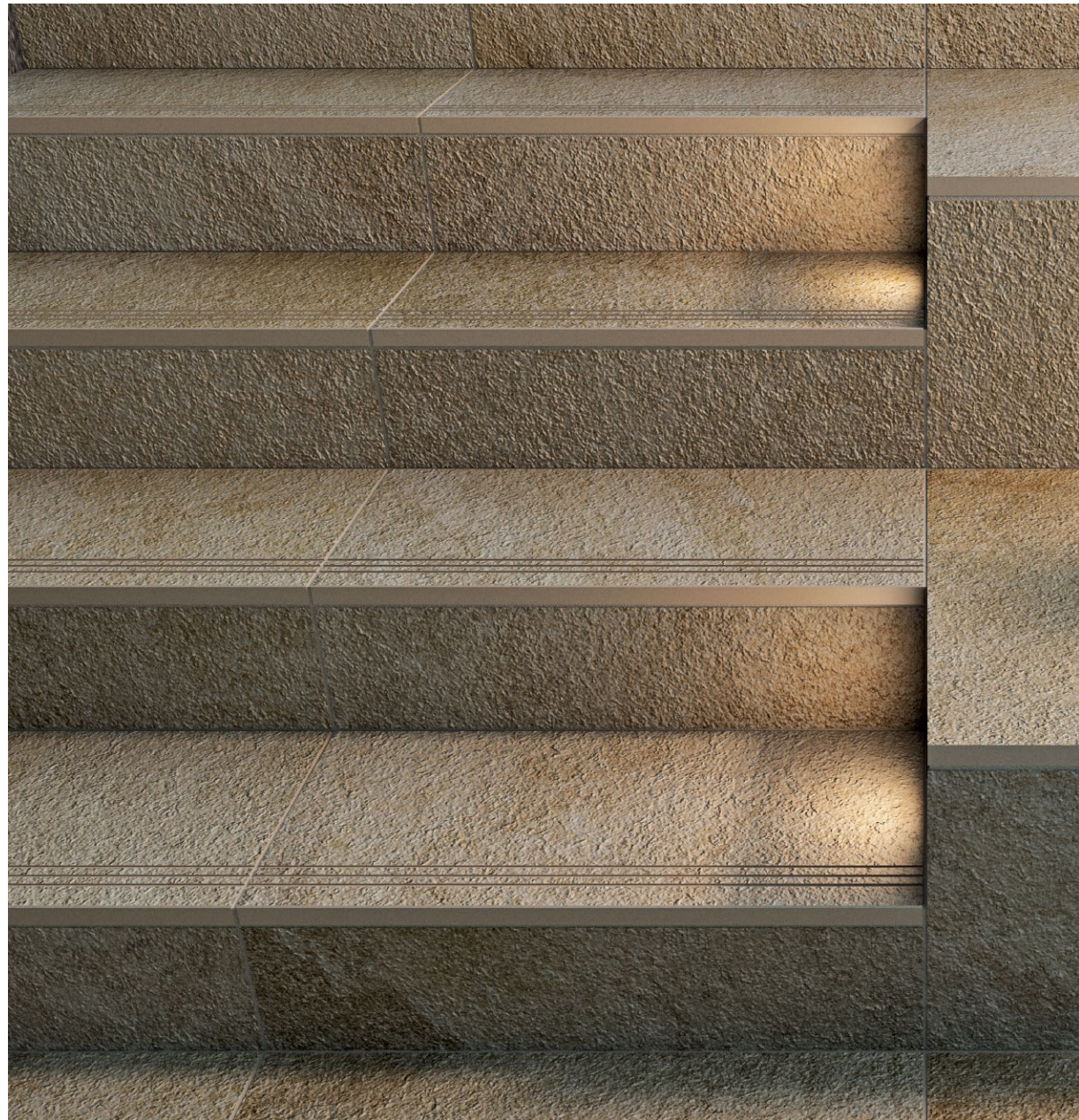
STEP TREAD
USTEPA
12"x24" | 30x60 cm



STEP TREAD
WITH GROOVES & DRIP FLAP
USTEPD
12"x24" | 30x60 cm














STEP TREAD
WITH BULLNOSE
USTEPB
12"x24" | 30x60 cm



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05 TECHNICAL CHARACTERISTICS

ACCORDING TO ANSI® A137.1 UNGLAZED PORCELAIN TILES (CLASS P1)

TECHNICAL CHARACTERISTICS		Test method ATSM®	Required values ANSI® A137.1	Average values UGL (unglazed)		
	DCOF	A326.3	≥ 0.42	Compliant		
	Water Absorption	C-373	≤ 0.5% (fully vitrified)	Compliant		
	Breaking Strength	C-648	≥ 250 lbf	≥ 2800 lbf. avg.		
	Intended Use	N/A	N/A	Residential Light commercial Heavy commercial		
	Linear Thermal Expansion	C-372	Not required	$\alpha \leq 8 \times 10^{-6} \text{ } ^\circ\text{C}^{-1}$ $\alpha \leq 4.4 \times 10^{-6} \text{ } ^\circ\text{F}^{-1}$		
	Thermal Shock Resistance	C-484	No alterations	Resistant		
	Chemical Resistance*	C-650	Not required	Resistant		
	Frost Resistance	C-1026	Not required	Resistant		
	Bond Resistance	C-482	≥ 50 PSI	Compliant		
	Stain Resistance	C-1378	No alterations	Resistant		
 (*) no hydrofluoric acid and its derivatives Color reproductions in this printed piece may vary from actual tile colors.	Dimensions	Edge Warpage	C-485	Calibrated: max ± 0.75% or max ± 0.09 inch	Rectified: max ± 0.40% or max ± 0.05 inch for tiles up to 24"x24"	Compliant
		Diagonal Warpage	C-485	Calibrated: max ± 0.50% or max ± 0.08 inch	Rectified: max ± 0.40% or max ± 0.07 inch	Compliant
		Nominal Dimensions	C-499	Calibrated: max ± 3.0% of nominal dimensions	Rectified: - 3.0% / + 2.0% of nominal dimensions	± 1.5%
		Caliber Range	C-499	Calibrated: max ± 0.50% or max ± 0.08 inch	Rectified: max ± 0.25% or max ± 0.03 inch	Compliant
		Thickness	C-499	Range: ≤ 0.040 inch		≤ 0.030 inch
		Wedging	C-502	Calibrated: max ± 0.50% or max ± 0.08 inch	Rectified: max ± 0.25% or max ± 0.03 inch	Compliant