



HDP
High Definition Porcelain

STELLAR

Through Body Porcelain Floor & Wall Tile

floridatile

HDP HIGH DEFINITION PORCELAIN

BY [floridatile](#)

Stellar^{HDP} by Florida Tile is another beautiful series to bear the HDP symbol of High Definition Porcelain. Created to signify a revolutionary new product category, HDP utilizes the most technically advanced glazing system in the industry today, digital printing. Like the technology that changed the television industry, High Definition Porcelain brings you the most realistic image possible, except it is on a tile.

Much like the picture on your television screen, the graphics on tiles are made up of millions of small dots of color. The smaller the dots, the higher the definition. In the 80s, most manufacturers used silk screens to apply glazes. The resolution was low and each set of silk screens produced only a single color pattern. Tile had to be rotated during installation or it was immediately obvious that every piece looked the same. The Roto-color process was a huge step forward in the 1990s and allowed for a pattern that wouldn't be repeated for 20-30 tiles.

Digital technology uses 500 injectors to print with greater variety and less repetition in the overall pattern. This process allows for a production pattern that is not exactly repeated for 180 ft. This is 8 times the variation of a conventional Roto-color machine and a far better resolution. Today, with the advances in glazing technology, High Definition Porcelain utilizes a digital printing process pioneered in inkjet printers. This is a huge leap forward in both resolution and pattern variation, creating a porcelain tile that is virtually undistinguishable from natural stone.

Digital printing is done without direct contact with the surface of the tile, the glaze is sprayed on. This removes the unprinted edges known as framing and the unglazed valleys that are often created with the Roto-color process. Digital printing technology also allows for the creation of low relief patterns, hand made effects, fabric looks and mosaics. Trim shapes like Cove Base and Chair Rails can be made with the same process as the floor and wall tile. The digital process can also reproduce the look of rustic stones, marble and slate without the complexity of filling, honing or double pressing.

While this concept is simple in theory, it has taken decades of painstaking work to bring the technology from the research and development laboratories to the production line. Continuing to be an innovator in the industry, Florida Tile is the first manufacturer to bring this technology to the United States.

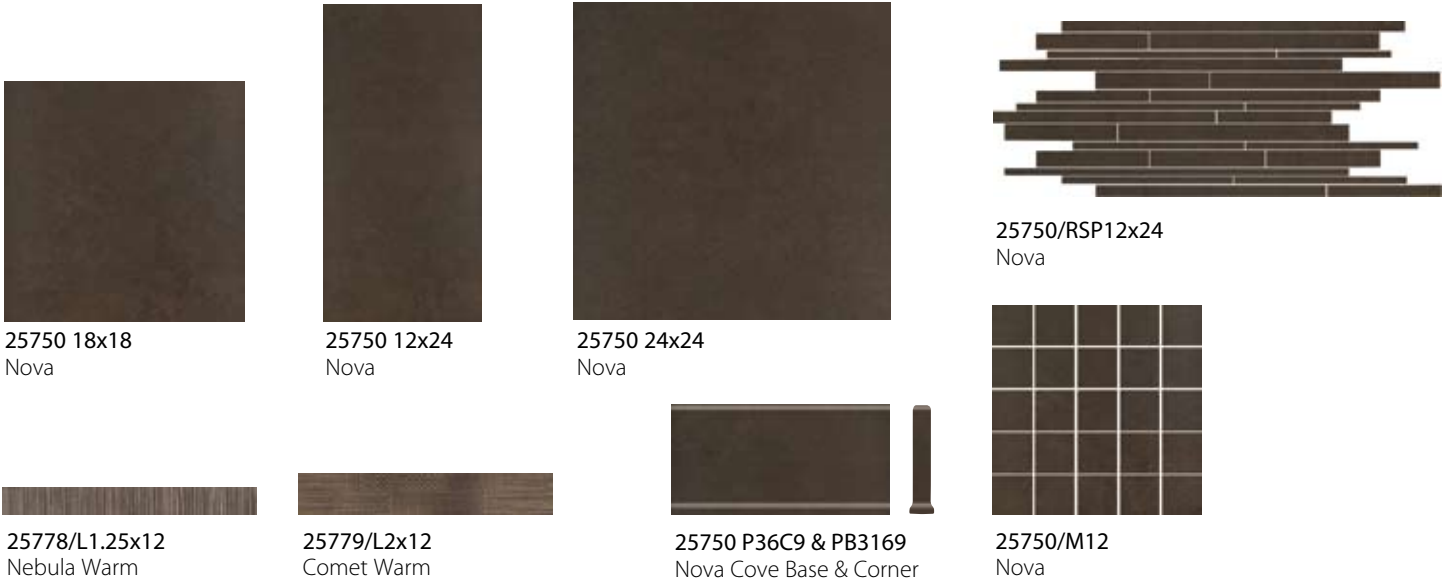
Another benefit that Florida Tile always strives for is the continual reduction of waste and reducing the environmental impact of its manufacturing facility. Digital Printing is extremely low maintenance and incorporates an automated self cleaning system. The machine also recycles unused ink and produces no waste, creating a more efficient production process.

While the look is what draws your eye, High Definition Porcelain products from Florida Tile combine the best of both worlds, a rugged and low maintenance tile that looks just like natural stone. One look at the Stellar^{HDP} series and you will know immediately that you have never seen anything so real in a manufactured product. High Definition Porcelain from Florida Tile.

Shown on Front: 25780 24x24 Meridian, 25757/L2x12 Comet Cool



Shown: 25750 12x24 Nova, 25778/L1.25x12 Nebula Warm



25750 18x18
Nova

25750 12x24
Nova

25750 24x24
Nova

25750/RSP12x24
Nova

25778/L1.25x12
Nebula Warm

25779/L2x12
Comet Warm

25750 P36C9 & PB3169
Nova Cove Base & Corner

25750/M12
Nova



Shown: 25760 24x24 Zenith



25760 18x18
Zenith



25760 12x24
Zenith



25760 24x24
Zenith



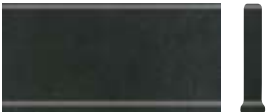
25760/RSP12x24
Zenith



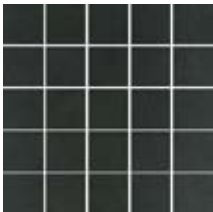
25756/L1.25x12
Nebula Cool



25757/L2x12
Comet Cool



25760 P36C9 & PB3169
Zenith Cove Base & Corner



25760/M12
Zenith



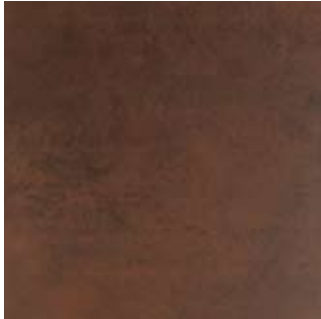
Shown: 25770 12x24 Helio, 25770/RSP12x24 Helio



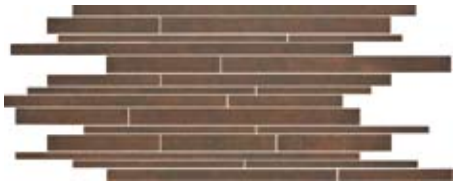
25770 18x18
Helio



25770 12x24
Helio



25770 24x24
Helio



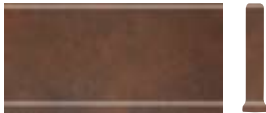
25770/RSP12x24
Helio



25778/L1.25x12
Nebula Warm



25779/L2x12
Comet Warm



25770 P36C9 & PB3169
Helio Cove Base & Corner



25770/M12
Helio



MERIDIAN

Shown: 25780 24x24 Meridian, 25757/L2x12 Comet Cool



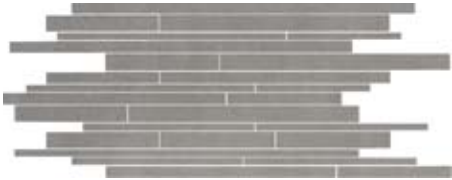
25780 18x18
Meridian



25780 12x24
Meridian



25780 24x24
Meridian



25780/RSP12x24
Meridian



25756/L1.25x12
Nebula Cool



25757/L2x12
Comet Cool

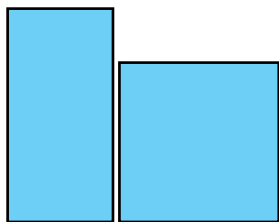


25780 P36C9 & PB3169
Meridian Cove Base & Corner

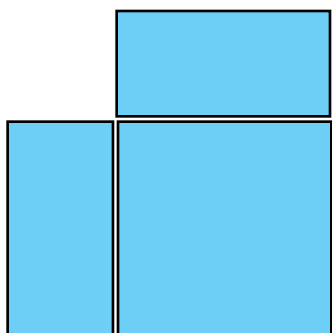


25780 Meridian
Cove Base & Corner

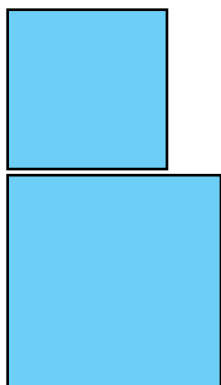
TILE PATTERN



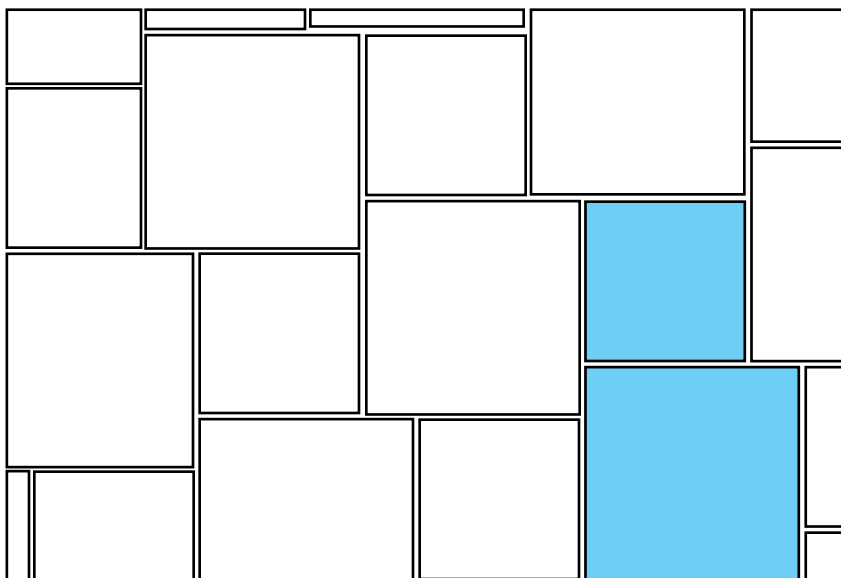
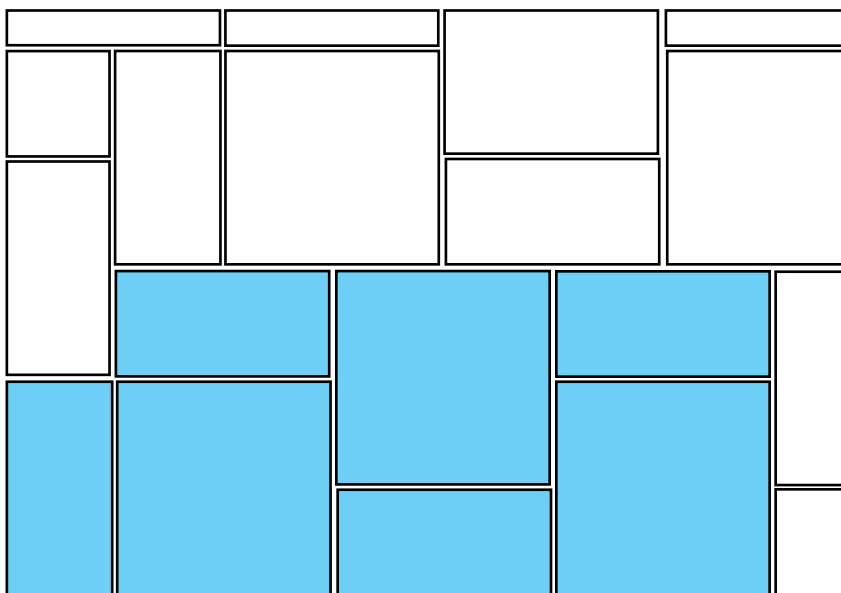
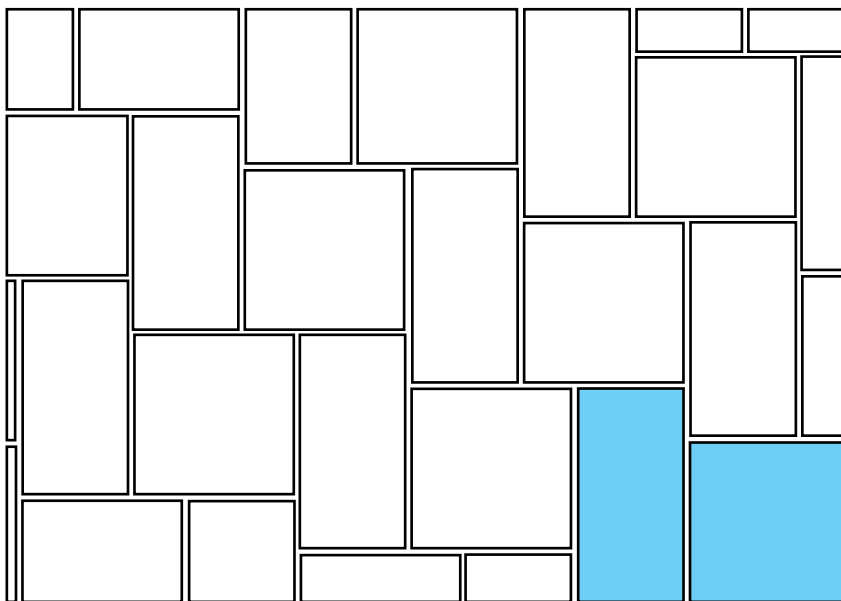
18"x18" - 52.94%
12"x24" - 47.06%



12"x24" - 40%
24"x24" - 60%



18"x18" - 36%
24"x24" - 64%





Shown: 25770 12x24 Helio, 25770/RSP12x24 Helio

STELLAR^{HDP}

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Typical Uses

Stellar^{HDP} through body porcelain tile is ADA compliant and appropriate for all residential and commercial wall & countertop applications, residential and most commercial floor applications.

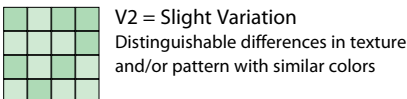
This Florida Tile product will contribute to USGBC LEED points and the ANSI approved NAHB Green Building Points.

Typical Properties ¹ (Floor)	ASTM	ANSI	Results 18x18	Results 12x24 24x24
Coefficient of Friction ²	C-1028	Varies Varies	Dry 0.8 Wet 0.6	Dry 0.8 Wet 0.6
Durability Classification ³	C1027	N/A	Class IV	Class IV
Glaze Hardness	Mohs Scale	N/A	6.0 Mohs	6.0 Mohs
Deep Abrasion	Mohs Scale	N/A	<145mm ³	<145mm ³
Break Strength	C-648	250 lbs.	425 lbs. avg.	700 lbs. avg.
Water Absorption	C-373	<0.5%	<0.5%	<0.5%
Thickness			9mm	10mm

¹These values vary from lot to lot.

²Dry & Wet values from independent test laboratory.

³Class I Light Traffic Areas, Class II Light Medium Traffic Areas, Class III Medium Heavy Traffic Areas, Class IV Heavy Traffic Areas, Class IV+ Extra Heavy Traffic Areas (High resistance to scratches and stains)



Field Tile

Nominal Size ¹	Metric (cm)	Pcs./Sq Ft ²
18" x 18"	45x45	.44
12" x 24"	30x60	.5
24" x 24"	60x60	.25

¹These values may vary from lot to lot.

²These values are based on actual sizes including the grout joint.

Trim

Name	Shape	SKU	Nominal Size
Bullnose		P44N9	4"x24"
Cove Base		P36C9	6"x12"
Cove Base Corner		PB3169	6"x1"

Color Variations

Color reproductions in this printed piece may vary from actual tile colors. Final selection should be made from actual tile samples.



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