



***Dürato International***  
Manufacture & Trading Company  
7924 State Road  
Philadelphia, PA 19136  
[www.angleworld.com](http://www.angleworld.com)



18 April 2018

# V-EVO® DÜRATO™

## *Evolutionary Vinyl*

Description: Engineered Stone Plastic Composite with Attached IXPE Underlayment (V-EVO™ Durato)  
Production method

Size/Packaging: 7" x 48" x 5.5 mm Planks 23.64 sq. ft./carton, 10 planks per carton

Construction: 0.3 mm/12 Mil (20 Mil available for custom orders) wear surface with Titanium Scratch Resistant Coating, 4. mm Multi Layered Core (Stone & virgin DOTP Composite). 1 mm IXPE underlayment (No VOC)

Wear Finish: 1 coats UV-cured acrylic Gloss Level: 4% - 6%

V-EVO Dürato was engineered over 2 years of testing as our entry level Stone Plastic Composite. Unlike most manufacturers that launched a single step process SPC, we felt the stability and performance of the single step extrusion process was unreliable and postponed launching our product.

We learned through experimentation that the single step extrusion process was prone to curling and uneven planks upon locking in the short sides of the plank. After several attempts we abandoned the single step extrusion process and partnered with other manufacturers to review claims and their performance in the real world. We learned all manufacturers we partnered with had an unacceptable level of claims and most common complaints were delamination and uneven planks or failure of locking system. This was a result of the SPC extrusion machines not consistently extruding within the tolerance allowed. We worked with the manufacturers of the machines and was not able to improve the consistency of thickness.

After reviewing all production methods, machines and ingredients we decided to merge the technology of LVT and EVP production with SPC. We merged the processes to combine the best of each product type and developed a better product that we call V-EVO Dürato and V-EVO Dürato HD (Launching in July 2018).

We made the planks longer and sent the product through pressing and annealing process to increase stability and consistency, then trim the ends of the SPC that would curl during the annealing process. So instead of fighting the product curling during rapid expansion during annealing, we allowed it to happen and then trim it off so the remaining plank is portion of the plank that is most stable. Then added additional LVT layer to stabilize the product further and allow more flexibility in the rigid core, then added the No VOC IXPE pad to conform to subfloors. Lastly we added a micro painted beveled edge and a titanium coating to increase scratch resistance.

V-EVO Dürato was engineered to be a value engineered floor for the Multi-Family Developers that wanted an indent resistant vinyl flooring with better stability rates than LVT and WPC.