

# Penn Color Streaker Case Study



**Industry:** Decking

**The Client:** A composite deck manufacturer

**The Goal:** Achieve a high quality natural looking woodgrain effect for decking while reducing manufacturing costs.

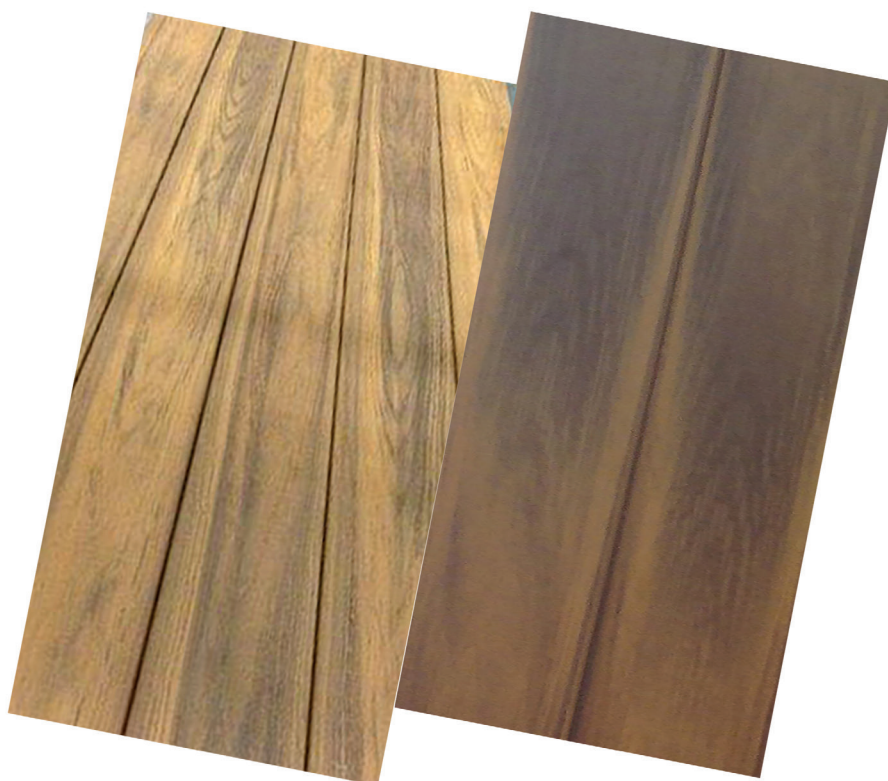
**The Challenge:** The woodgrain or variegated effect is obtained by adding a streaker into a base color. One critical challenge of the process is controlling the bleeding of the streaker into the base color. This is the leading cause for customer quality complaints, or a high level of production scrap, or both. The streaker influence on the base color is highly dependent on the respective formulations of the streaker and base color, as well as manufacturing process conditions.

**The Solution:** The customer combined Penn Color's brown base color dosed at 3% LDR and black streaker color dosed at 0.5% LDR. The base color was adjusted first, followed by the addition of the Penn Color proprietary streaker within the customer's specific and pre-validated process conditions.

**The Results:** Fast and easy set-up, excellent consistency of the variegated effect, combined with 20% less production scrap.

## Penn Color Varitone™

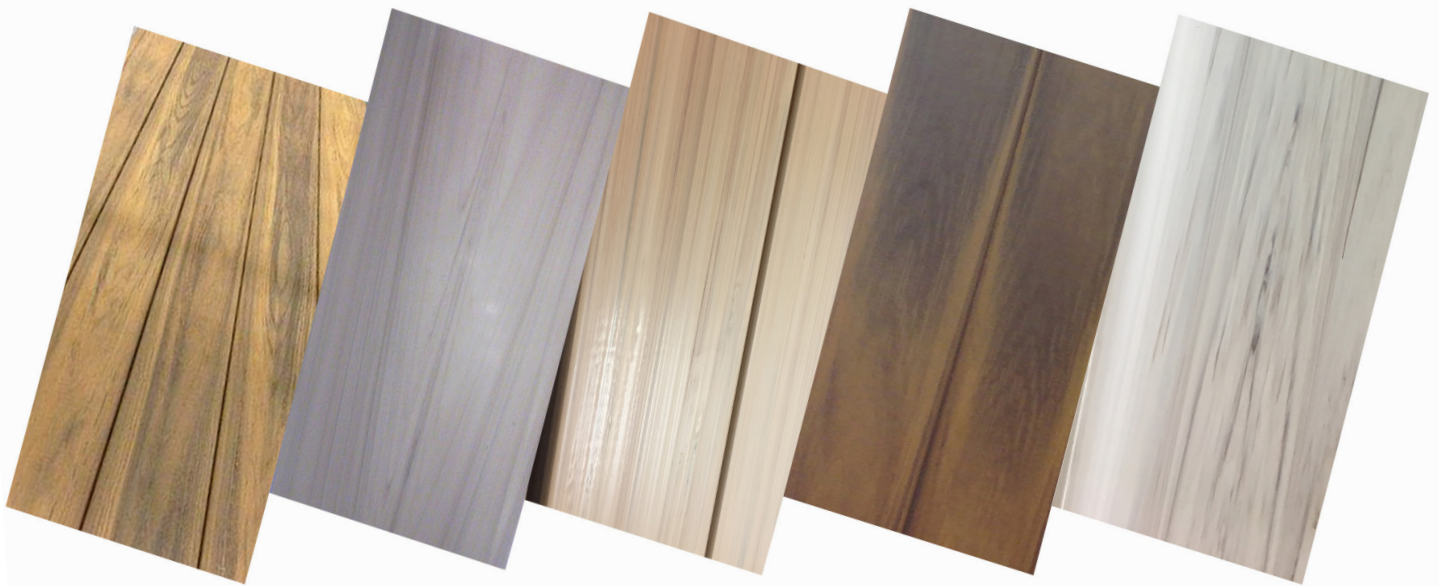
- Custom guidelines for formulation and processing
- Excellent lot-to-lot consistency
- Easy set-up
- Up to 20% less scrap
- Works with PVC, PE, PP, ASA, & Acrylic



How do you make extruded profiles for decking, fencing, railing, siding or windows stand out? By adding a streaker to the base color that will create a very unique linear, cathedral, exotic, woodgrain, or other customized effect. We create the stunning effects that your customers desire, while helping you reduce your total cost to produce.

Your product is unique. We help you to achieve the best uptime, quality, and productivity in production. You get not only a customized streaker formulation that enables you to create a highly differentiated final product, but also with precise processing specifications. As a part of our QC process, we test each lot for hardness, allowing us to define a  $\pm 10^{\circ}\text{F}$  target processing temperature. This information is provided with each lot, enabling your operators to save time when dialing in the product to reach optimum quality and productivity.

Contact your local Penn Color representative to learn more about streaker options for your application.



**Corporate Headquarters**

400 Dublin Pike  
Doylestown, PA 18901  
1.866.617.PENN (7366)  
1.215.345.6550

**Europe**

SMAKTERWEG 31  
5804 AE Venray  
The Netherlands  
+31.478.554000

**India**

Plot 808/c dR. b.a. Road  
Dadar, t.t.  
Mumbai 4010-014 INDIA  
+91.22.2414.0020

