



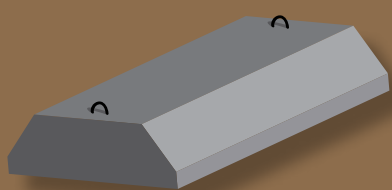
syn·er·gy

The interaction or cooperation of two or more substances to produce a combined effect greater than the sum of their separate effects.



Sure, when pig's fly.

By combining two unlikely elements we've created a revolutionary new hybrid coating that's flexible, durable and tough.



CEMENT



POLYMER




- Hard
- Brittle
- Needs water to build toughness
- Integrity builds over long time
- Can last for centuries
- Strong

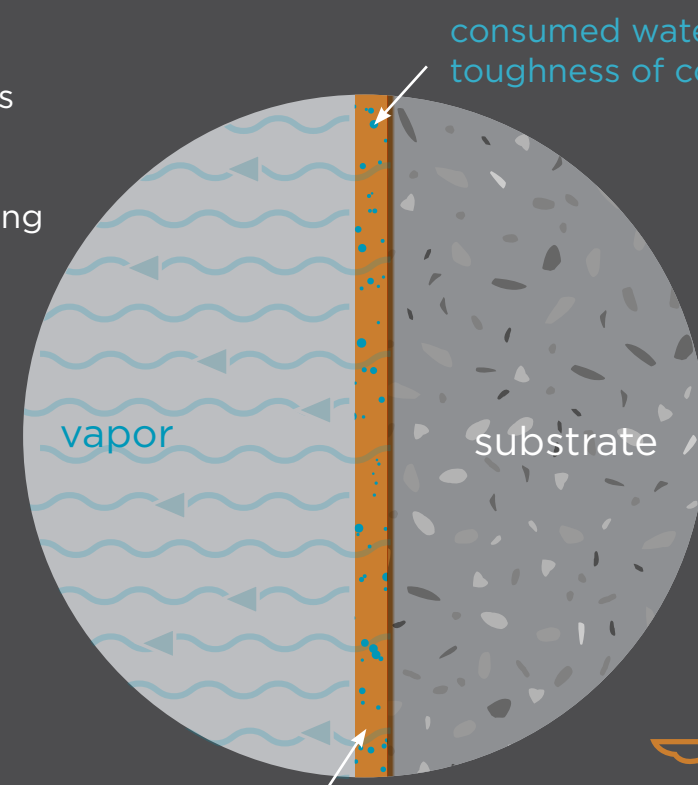
- Soft
- Flexible
- Loses water to build toughness
- Integrity builds over short time
- Can last for years
- Weak

Mechanically, the material composite of cement and polymer create greater toughness together than individually.

Moisture and vapor feed cement increasing toughness and durability



- Vapor leaves substrate.
- Any remaining moisture is consumed by cement.




consumed water increases toughness of coating

vapor

substrate

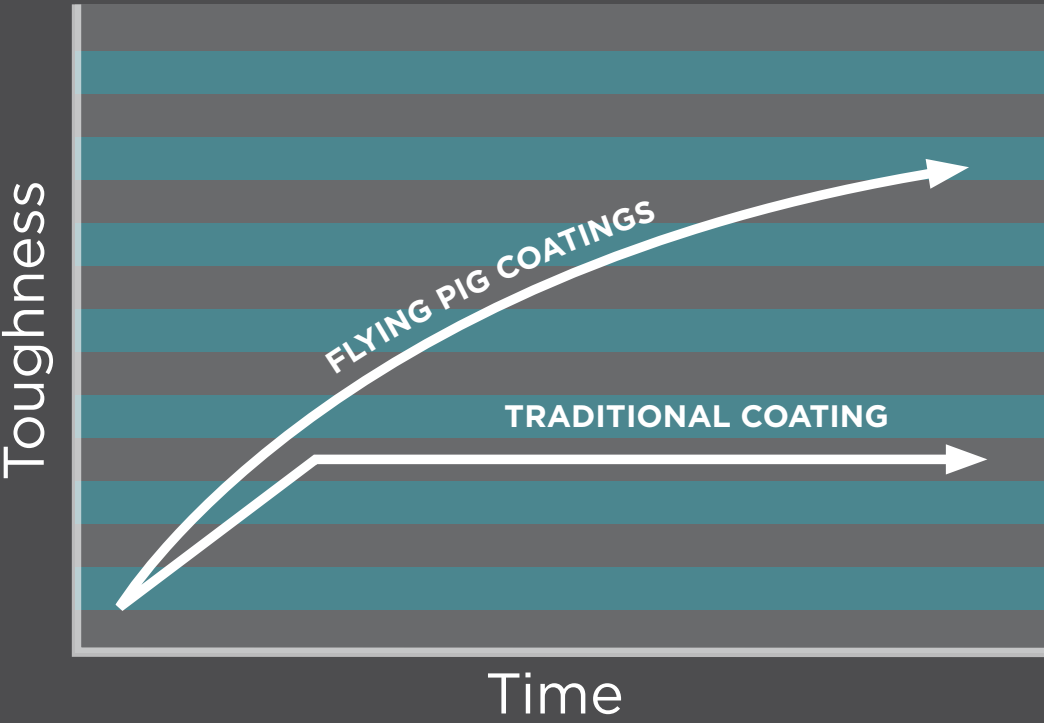
Flying Pig Coating



If you have water, cement will strengthen.

Cement pylons used in bridge building over water tend to be of greater compression strength than non-submerged pylons.

Cementitious hybrid coating vs. traditional coatings



- A. Builds integrity with trapped moisture
- B. Is a composite coating
- C. Contains a reactive inorganic that will gain toughness over time

As traditional finishes reach maturity and maximum durability, Flying Pig Coatings® **continue to soar**, delivering enhanced hardness and durability.



Our composite increases toughness by coupling the cement to the resin

COMPOSITE

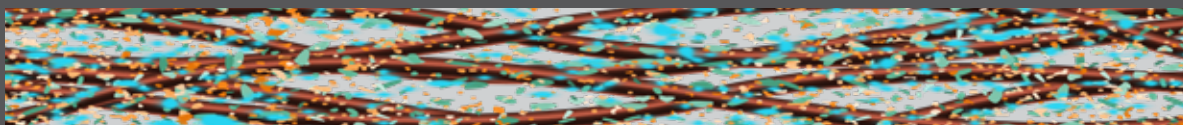
Elongation,
Elasticity

Toughness,
Durability

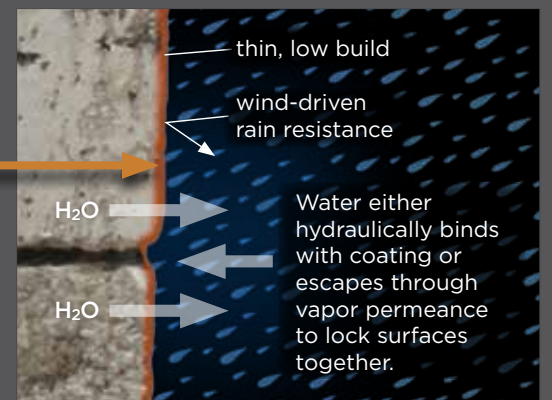
Elongation and **elasticity** combined with **toughness** and **durability** is an unlikely combination achieved by Flying Pig Coatings® design

THIN COATING

- Weatherability without a sealer
- Aesthetically pleasing
- More flexible
- Not brittle
- Mandrel bend with 1/8" pass



Cement	Polymer	Sand	Glass	Water
Toughness	Flex	Texture	Protection	Climbing Strength



Flying Pig Low-Build
Smart Technology®

SAND & GLASS

- Dimensional stability
- Adds texture
- Provides hardness



Competitive Product

100%

100% Acrylic:
doesn't yellow; greater
stability vs. vinyl; excellent
water resistance, flexibility
and adhesion

**White Portland
Cement:** color control,
excellent strength,
consistent quality



Iron Oxide Pigments:
alkali and UV resistance,
nontoxic, color stability,
richer tones and opacity

