

HDPE



• High-density polyethylene



- Monolithic - no cap, not co-extruded (some people have doubts about cap separating from interior material)
- Recycled (**LumbeRock**) - HDPE
- Lifetime warranty on structure
- Available in **1x** and **2x**
- Slip resistant



- Monolithic - Expansion/Contraction issues
- Color variation
- Color retention
- Static electricity - not suitable for fuel docks (**Advantage** does have some anti-static chemicals)



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**advantage**  
REINFORCED PLASTIC DECKING CO.



EARLY GENERATION COMPOSITE



- **50%** HDPE - recycled
- **50%** Wood (typically oak flooring scraps)



- Monolithic - no cap
- Resists rot and splintering
- Inexpensive
- **99%** recycled material
- Available in **1x** and **2x**
- Slip resistant



- Scratches
- Fades and stains
- Mold + Mildew issues
- Color variations
- Susceptible to moisture - in general (not **MoistureShield**) - requiring maintenance, etc.



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**MoistureShield**



CAPPED PVC



• **100%** PVC with a higher density cap



- UV inhibitors, scratch resistance
- Can submerge in water
- Lightweight
- Very easy to fabricate, work with colored throughout
- Lifetime limited warranty
- Resistant to heat
- No organic content means no promotion of mold growth
- Slip resistant



- No warranty against fade
- Finish can turn chalky, more likely on dark colors
- Expensive
- Woodlike finishes cost more than other materials
- No recycled materials



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**AZEK**  
Building Products



CAPPED COMPOSITE



- **50%** HDPE (**0 - 95%** recycled depending on brand)
- **50%** Wood Cap is proprietary shell



- UV inhibitors, scratch resistance
- **95%** recycled material (**Trex**)
- **78%** recycled plastic and wood is **70%** maple, **30%** oak
- Warranty - **25 year** fade and stain
- Vivid colors, and consistent colors
- Dramatic, deep woodgrain detail
- Minimal maintenance
- Available in **1x** and **2x (Trex Only)**
- Scratch - resistant
- Slip resistant



- Not moisture resistant, non ground contact
- **Trex** not colored on all 4 sides - **Fiberon** and **TimberTech** are interior different color than cap
- Gets hot in the sun - especially darker colors



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**Trex**



COMPOSITION



PROS



CONS



COST



POPULAR BRANDS