**INTERIOR ARCHITECTURAL MATERIALS/FINISHES**

**WALLS:**

*Fire & Sound Wall Sandwich Panels by PortaFab*

“These panels feature a polystyrene foam core that provides excellent thermal insulation and sound deadening properties. The foam core combines with a layer of gypsum to create a fire-resistant panel that achieves a class A noncombustible rating. The Fire & Sound panel is one of the best performing insulated wall panels on the market across a wide variety of applications.” (pulled from site: <http://www.portafab.com/fireandsound.html> )

*Fiber Reinforced Plastic (FRP) Wall Panels (primarily in kitchen and bath area*)

PROS:

* Lightweight
* Variety of colors and Textures
* Can be fire retardant
* Scratch & Impact Resistant
* Easy Maintenance

CONS:

* Expensive; Material itself is costly not to mention the amount of labor hours required during installation
* Lack of Flexibility

**FLOORS:**

*Linoleum*

PROS:

* Very Durable, with warranties that range up to 25 years and with proper care can last for 40 years of more
* Affordable; typically, $2-5 per sq. ft.
* Made with renewable materials
* Biodegradable and won’t take up space in landfills
* Doesn’t emit harmful VOCs
* Requires little Maintenance

CONS:

* Can get dented by high heels and furniture legs
* May darken or turn yellowish when exposed to sunlight (factory-applied protective coating helps prevent ambering)
* Susceptible to moisture and isn’t recommended for installation in areas that may have spills, splashes, and high humidity
* New and freshly waxed linoleum flooring can be slippery

*Wool Carpet*

PROS:

* Excellent soil hiding capabilities
* Very strong, elastic and resilient
* Natural crimp makes wool an excellent insulator
* Good Absorbency
* Breathable

Flame retardant; Wool id harder to ignite and slower to burn than other common textile fibers.

CONS:

* Fairly expensive
* Wool is prone to distortion
* Stains Easily
* Chemical Sensitivity to alkaline chemicals above a pH of 9.5 after prolonged exposure
* Staple Yarn
* Fading

**MISC:**

DEKTON (Flooring, Countertops, Walls)

“Dekton is a sophisticated blend of the raw materials used to produce the very latest in glass and porcelain as well as the highest quality quartz work surfaces”

(pulled from site: <http://www.dekton.com/usa/what-is-dekton> )

PROS

* Non-porous
* Light in weight
* High UV Resistance
* Highly Scratch-resistant
* Resistant to stains
* High Resistance to fire and heat
* Noncombustible Material

CONS

* Expensive; Sold at Home Depot for $58 to $96 per Sq. Ft.
* Must be Professionally installed