

# Skin Group 1

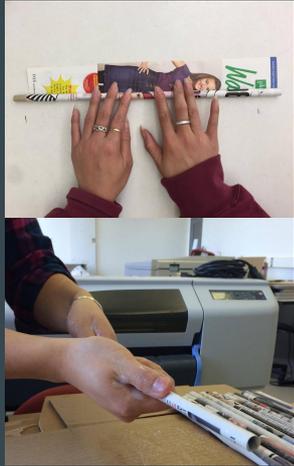
Pixlr Wall



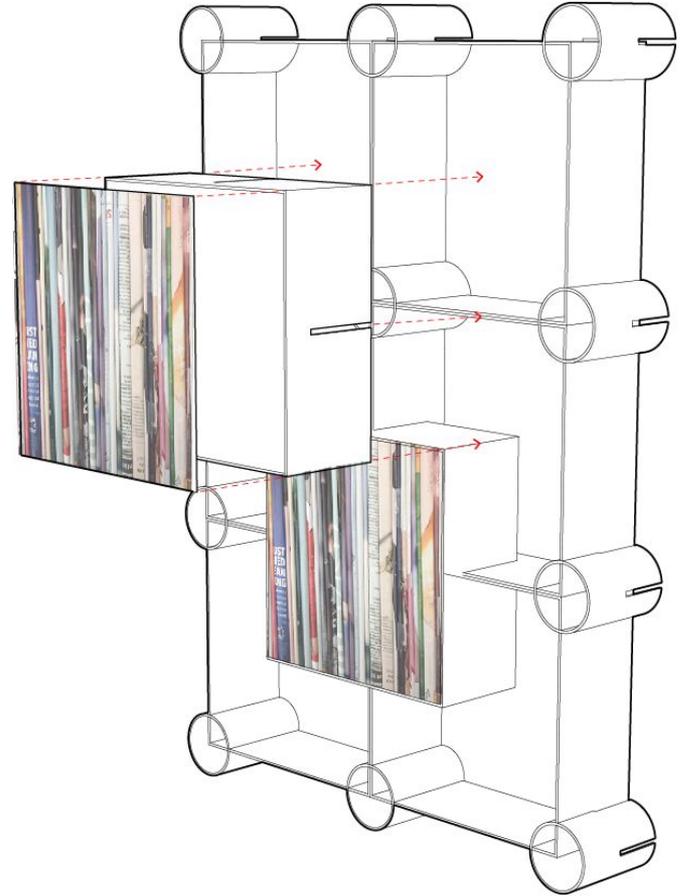
# Materiality

Components: Magazine Pages, Cardboard, Flour  
Glue.

Application Method: Roll magazine pages  
(landscape direction), coat with glue, stick on  
cardboard



# Skin Application



# Group 1: Prototype Data

<i>Material</i>	<i>Manufacture Time (min. per panel)</i>	<i>Burn Time</i>	<i>Cost</i>	<i>Pros</i>	<i>Cons</i>
Magazine	10-12		\$0.00	easily accessible material; lightweight, colorful material flexible patterns	Flammable
Corrugated Cardboard	15-20		\$0.00	easily accessible abundant material; lightweight	Moderate warping flammable
Aluminum Cans	20		\$0.00	fire resistant colorful material	Difficult to cut sharp edges
Plastic Bottle Labels	15		\$0.00	easily accessible material; lightweight provides various patterns/colors	Toxic fumes
Plastic Bottle Caps	7		\$0.00	easily accessible material; lightweight colorful material	Toxic fumes
Egg Carton	5		\$0.00	easily accessible	Flammable one color

## PIXLR WALL:

Affordable

Personal

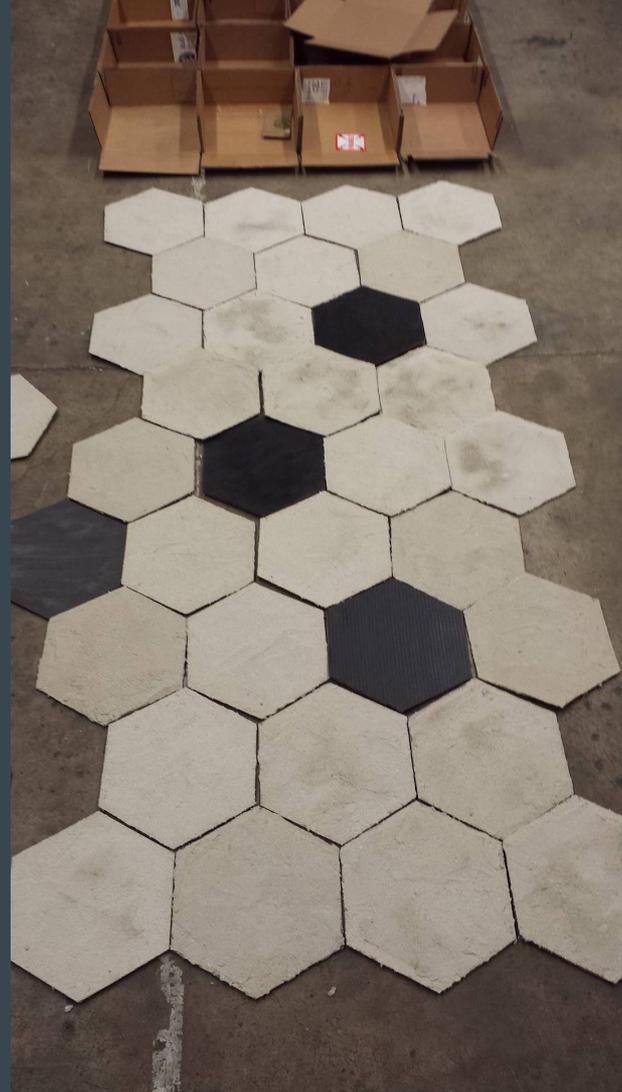
Meaningful

Deconstructable



# Skin Group 2

Papercrete

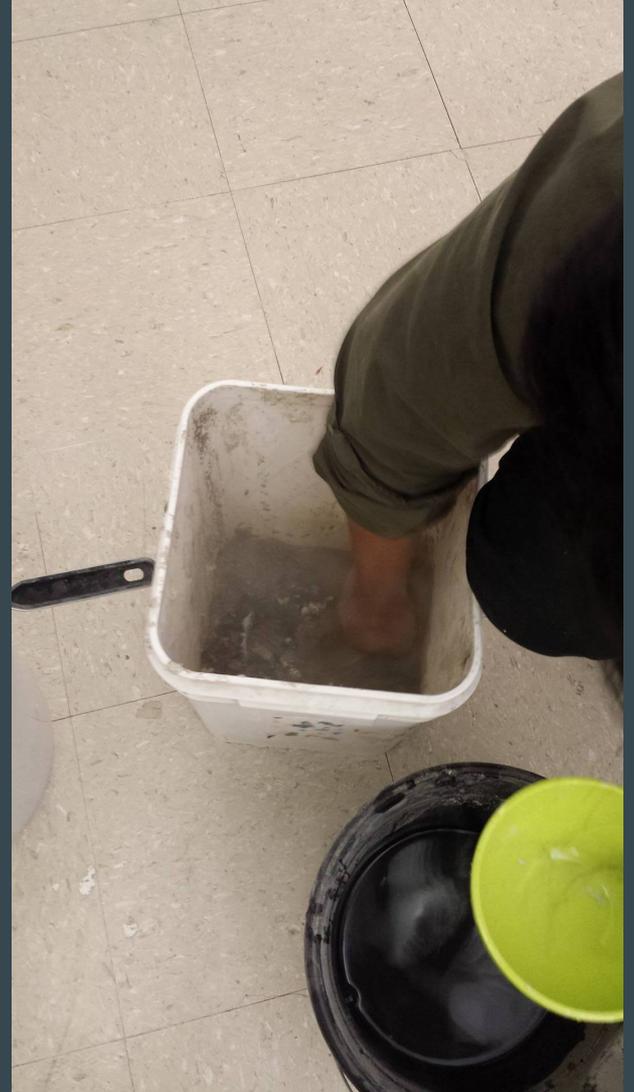


# Materiality

**Components:** Papercrete mixture, Cardboard to apply paste to.

**Ingredients:** 60% paper pulp, 20% cement, 20% water (by weight)

**Method of mixture and application:** Mixing all ingredients into a container. Applies onto cardboard corrugation directly by spreading paste like mixture. thickness of mixture is thinner than 1/8"



# Data

Mixture preparation time: 5 - 8 mins

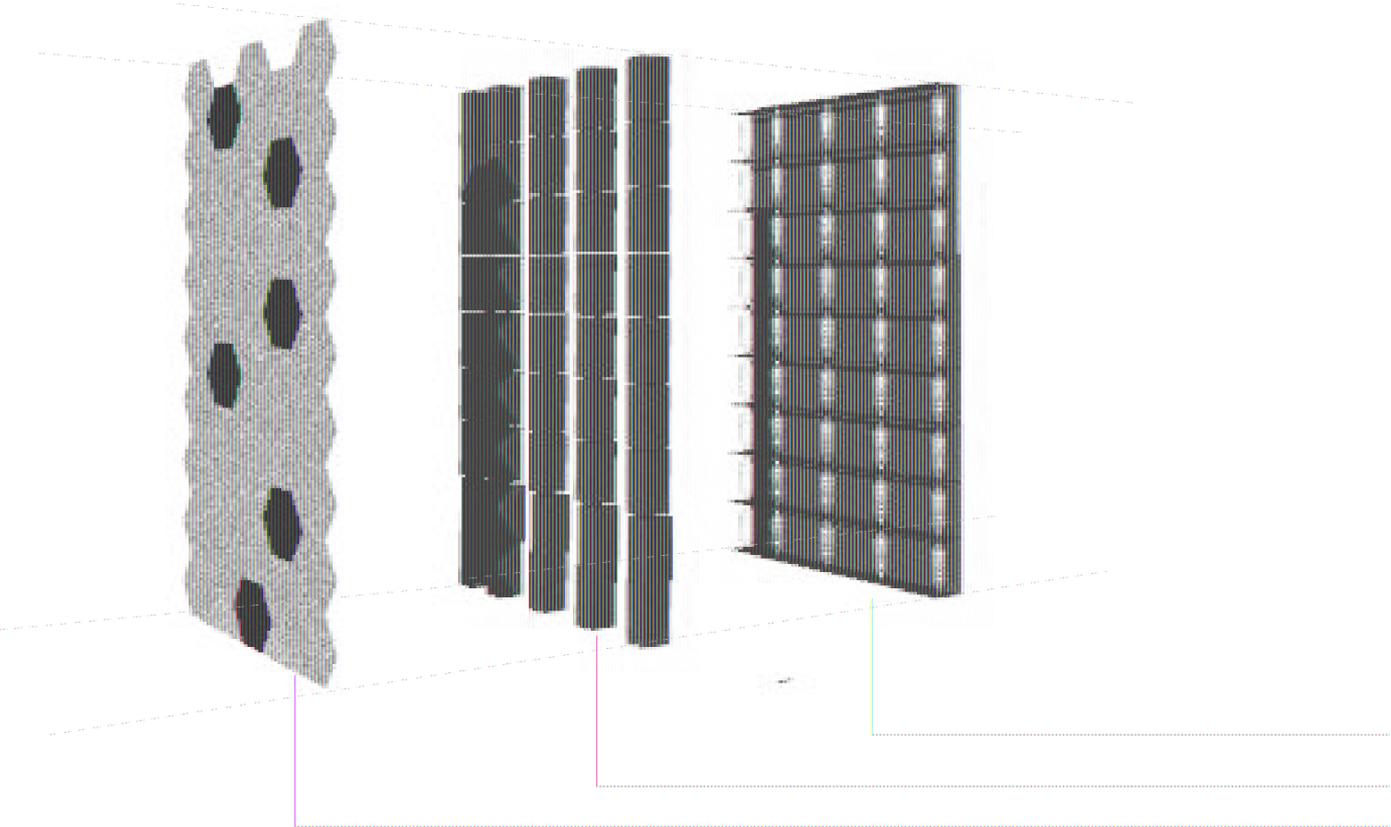
application of the mixture to surface: 8 - 10 mins

Drying time: 5 - 6 hours

Flame resistance time : 15 - 20 mins

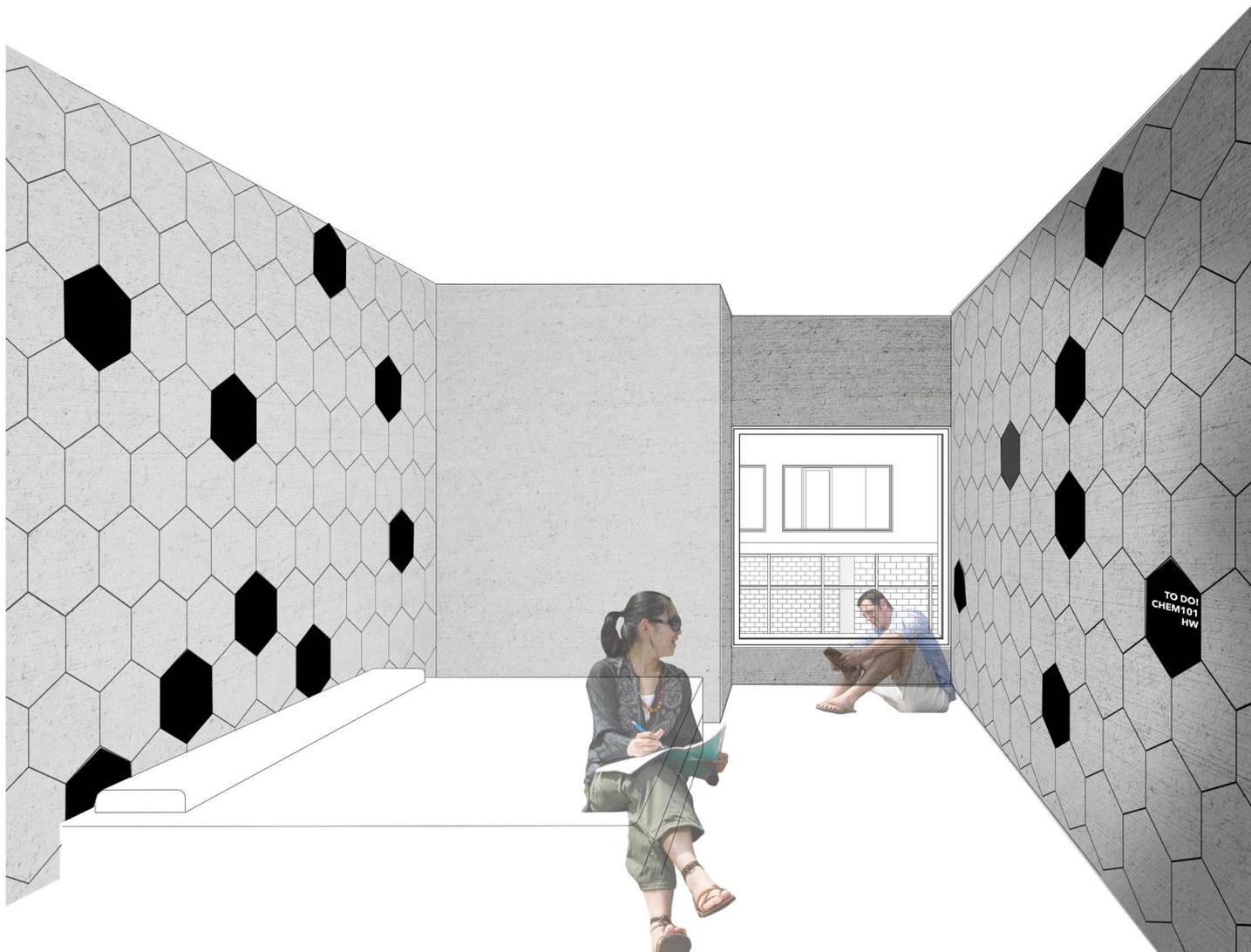
Cost ( Skin ) : \$ 0 . 625 / sf

# Construct Diagram

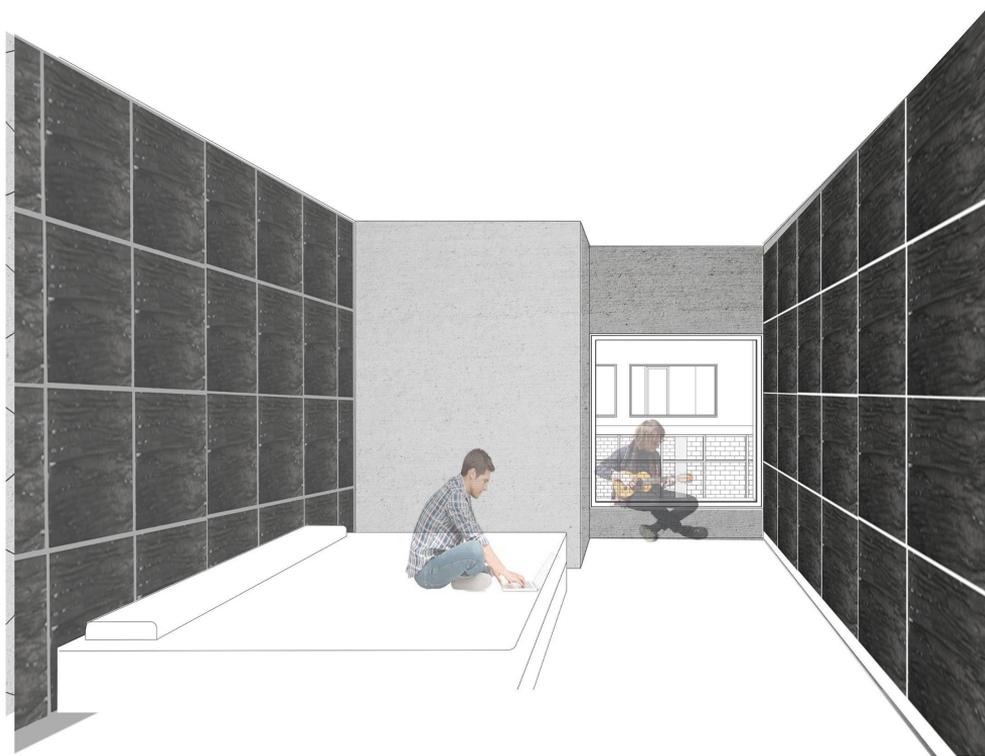


# Prototype Variation

	Manufacture time	Plan View	Setbacks
Papercrete Panel	15 - 17 hours		Brittle after drying. Hard to attach to structural wall
Cardboard with Papercrete mixture applied	7 - 8 hours		Warping issues. Creases in papercrete at bends
Papercrete panels + cardboard + flour glue	18 - 21 hours		Questionable strength of glue between cardboard and panel



TO DO!  
CHEM101  
HW



Components: Papercrete  
mixture, Cardboard + recycled  
fabric



# Papercrete

Durable

Easy to Install

Fire safe

Customizable

