

*The DYO™ Green  
Building Decision Kit*

*Decision Matrix and  
Importance Weighting Tool*

*www.DYOKits.com*

*A Division of Hathmore Technologies, LLC*



*A Division of Hathmore Technologies, LLC*

# *Decision Making Support*

- The Green Building Decision Kit includes an optional tool that can help guide your decisions using information you provide about what is most important to you.
- You tell the tool what areas you are most focused on and give it information from your research. The tool:
  - analyzes the data,
  - uses an importance weighting based on your inputs,
  - and develops a prioritized, ranked, list of the building components you are considering.

# What's Most Important to YOU?

## Green Component Weightings

Components	Weight	
Incremental Energy Savings	25%	H+
Use of Recycled Content	9%	M
Low Energy Usage Manufacturing Process	5%	L
Easily Biodegradable	8%	M
Made from Natural Materials	20%	H
Available Locally	4%	L
Low Emissions Potential	20%	H
Listed in Other Programs (e.g. EnergyStar)	5%	L
Non Hazardous as Waste	4%	L
<b>Total Weightings Must Equal 100%</b>	<b>100%</b>	

Give a high percentage “weight” or ranking to the Green components most important to you.

# What's Most Important to YOU?

## Green Component Weightings

Components	Weight	
Incremental Energy Savings	25%	H+
Use of Recycled Content	9%	M
Low Energy Usage Manufacturing Process	5%	L
Easily Biodegradable	8%	M
Made from Natural Materials	20%	H
Available Locally	4%	L
Low Emissions Potential	20%	H
Listed in Other Programs (e.g. EnergyStar)	5%	L
Non Hazardous as Waste	4%	L
<b>Total Weightings Must Equal 100%</b>	<b>100%</b>	

**Example**

This person is most interested in energy savings

Then natural materials & low emissions (allergies?)

# *Building Products Information*

- The tool comes with many building products already listed and detailed
- You can add products that you are considering and/or change the included product information
- Products are grouped by construction phase
- Products are listed then “scored” based on “Green” performance factors

# Building Products Information

Product		Comments	Incremental Energy Savings	Use of Recycled Content
<b>Insulation</b>				
Cellulose Insulation		Generic insulation values used	M	H
Icynene® Insulation		Factory insulation values used	M	N
<b>Average for Insulation</b>				
<b>Windows</b>				
Double pane aluminum frame window			L	N
Double pane wood frame window			M	N
Double pane argon filled low-e window			H	N
<b>Average for Windows</b>				
<b>Doors</b>				
Foam Core Door		Style 23-AB2 from Co. XYZ	H	N
<b>Average for Doors</b>				
<b>Misc.</b>				
<b>Average for Misc.</b>				
<b>Total for All Categories</b>				

Please Note: Information contained herein is for educational & instructional purposes only – No warranties or guarantees are implied or given – Accuracy dependent upon user – Applicable Rights reserved – Patent and Trademark(s) Pending. Copyright © 2005 ■

# Building Products Information

(Hover your mouse cursor over each Green Component Title to the right for scoring guidelines) ==>	Incremental Energy Savings	Score: N = None L = Low (1 - 10,000 Btu/Hr) M = Med (10,001 - 50,000 Btu/Hr) H = High (50,001+ Btu/Hr)	Easy Biodegradable	Made from Natural Materials	Available Locally	Low Emissions Potential
Product		Content	Process			
Insulation						

(Hover your mouse cursor over each Green Component Title to the right for scoring guidelines) ==>	Incremental Energy Savings	Score: N = None L = Low (1% - 15%) M = Medium (16% - 50%) H = High (51%+)	Easy Biodegradable	Made from Natural Materials	Available Locally	Low Emissions Potential
Product		Use of Recycled Content	Process			
Insulation						

(Hover your mouse cursor over each Green Component Title to the right for scoring guidelines) ==>	Incremental Energy Savings	Score: N = N/A (Uses more energy to make than it saves) L = Large amount of energy used in manufacturing M = Medium amount of energy used in manufacturing H = Hardly any energy used in manufacturing	Low Energy Usage Manufacturing Process	Easy Biodegradable	Made from Natural Materials	Available Locally	Low Emissions Potential
Product		Use of Recycled Content	Process				
Insulation							

(Hover your mouse cursor over each Green Component Title to the right for scoring guidelines) ==>	Incremental Energy Savings	Score: N = Not Biodegradable L = Long time to degrade (>2 years) M = Medium time to degrade (>1 year ≤2 years) H = Highly biodegradable (≤1 year)	Low Energy Usage Manufacturing Process	Easy Biodegradable	Made from Natural Materials	Available Locally	Low Emissions Potential
Product		Use of Recycled Content	Process				
Insulation							

Please Note: Information contained herein is for educational & instructional purposes only – No warranties or guarantees are implied or given – Accuracy dependent upon user – Applicable Rights reserved – Patent and Trademark(s) Pending. Copyright © 2005 ■



# Personalized Product Ranking!

- Once all the products have been listed, the tool analyzes the scoring based on your importance levels and provides a report of the products that best meet **your** criteria.

<b>Product</b>	<b>Weighted Score</b>	Sort
Cellulose Insulation	2.75	
Double pane argon filled low-e window	2.39	
Foam Core Door	2.27	
Solid Wood Door	2.25	
Photovoltaic Solar System	2.24	
Double pane wood frame window	2.09	
Fiberglass Insulation	1.94	
Icynene® Insulation	1.78	
Double pane aluminum frame window	1.54	
Single pane aluminum frame window	1.54	