

## Energy Packages

All Milgard windows and patio doors are designed to meet tough thermal and solar requirements of state and local jurisdictions. **Energy Packages** are available in **CTB Quote™ Plus** to provide a simple selection approach to further improve the energy efficiency of windows and doors.

### Energy Package Ratings

Zone	U-Factor	SHGC	Features
Energy Star v5(Northern)*	0.3	-	SunCoat®+Argon+EdgeGardMAX®
Energy Star v6 (North-Central)	0.3	0.4	SunCoat®+Argon+EdgeGardMAX®
Energy Star v6 (South-Central)	0.3	0.25	SunCoatMAX®+Argon+EdgeGardMAX®
Energy Star v6 (Southern)	0.4	0.25	SunCoatMAX®
High Efficiency Package	0.27	0.32	SunCoat®/i89+Argon+EdgeGardMAX®
R5	0.20	0.25	Triple Glaze, SunCoat® (surface 2 & 5)+ Krypton+Foam Spacer
Title 24	0.32	0.25	

\*Energy Star V6 Northern goes into effect January 1, 2016



The table above identifies the *U-factors* and *Solar Heat Gain Coefficients* (i.e., SHGC) applicable for each regional package. The **Preferences** section will list regions available.

- ❖ **Dual and Triple Glazing** - Energy efficient windows use dual or triple pane glass (or glazing) to better insulate and help reduce energy usage
  - ◇ **SunCoat® and SunCoatMAX® Low-E Glass Coatings** - Low-E means 'low emissivity' and describes glass that has a solar control coating to improve thermal performance.
- ❖ **Spacers** - keep a window's dual glass panes the correct distance apart for optimal insulation between panes.
  - ◇ **EdgeGard® and EdgeGardMAX® Spacers**- provide superior insulating properties and helps to reduce condensation.
  - ◇ **Argon and Krypton Gas-filled Spacers** – enhances thermal performance without getting in the way of the view.

## Add an Energy Package Using Preferences

The steps below depict adding an **Energy Package** to a Window using **Preferences**, but the process can be manually done within the **Item Configurator** from the **Quote > Item > Window > New Item** selection.

1. From the **Quotes** page, under the **Items** tab, select **Window** from the **Item** drop-down list.

CTBQUOTE<sup>plus</sup> Milgard WINDOWS & DOORS

Home Quotes Orders Customers Projects Dealer Options Reports Help Desk Support Account Information

Customer: Washington Construction Quote Name: Rainier Welcome Center Version: 1

Header Pricing **Items** Comments

Item Selection

Item: Window Description: Configured Window

Quantity: 1 EA Location/Label:

2. From the **Preferences** section, select the **Product Line**. *Tuscany* is selected for the example. The **Product Line** will set available field options. //Note that **Energy Package** is defaulted to *None*://

Preferences

Product Line Tuscany

Exterior Finish Interior Finish

Exterior Glass Interior Glass

Int. Glass Thickness Gas Filled

Grids\* Screen Mesh

Fin Type Opening Type

Energy Package None

Ext. Glass Thickness

Breather Tube

New Item Add Reset selected options Library Write-In Dealer Options Product Catalog

3. For the **Energy Package** field, use the visual selection (search icon) to select the appropriate **Energy Package** option. //For the example, *Energy Star South-Central* will be selected.//

Select a Value

None Energy Star Northern Energy Star North-Central Energy Star Southern

Energy Star South-Central 4th Surface High Performance Pkg. High Efficiency Package R5

**Preferences**

Product Line	Tuscany	Fin Type		Opening Type	
Exterior Finish		Interior Finish		Energy Package	Energy Star South-Cen
Exterior Glass	SunCoatMAX (Low-E)	Interior Glass	Clear	Ext. Glass Thickness	
Int. Glass Thickness		Gas Filled	Argon	Breather Tube	
Grids *		Screen Mesh			



The selected **Energy Package** determines mandatory **Energy Package** fields to satisfy rating requirements. In the screenshot above, **SunCoatMAX (Low-E)** and **Argon** are required for **Energy Star South-Central** and cannot be altered. //Note that **Interior Glass** has defaulted to **Clear**, however, can be altered for this field.//

4. Select any other **Preferences**, as applicable, and then select the **New Item** button to open the **Item Configurator** and complete the build. //See **Preferences** for details.//

**Preferences**

Product Line	Tuscany	Fin Type	1 3/8" Setback	Opening Type	Call Out
Exterior Finish	Espresso	Interior Finish	White	Energy Package	Energy Star South-Cen
Exterior Glass	SunCoatMAX (Low-E)	Interior Glass	Clear	Ext. Glass Thickness	
Int. Glass Thickness		Gas Filled	Argon	Breather Tube	
Grids *	No	Screen Mesh			

5. Select any remaining **Window** fields and the **Continue** button to progress with build options.

**New Item**

Price: 35.00 USD

**Window** 1.1 - DS

**Dimensions**

Opening Type \* ☐ Rough Opening ☐ Net Frame ☒ Call Out

Call Out Size \*

Callout Width \*

Callout Height \*

Bottom Window Height \*

**Finishes**

Exterior Finish \*

Interior Finish \*

**Energy Packages**

Energy Package \*

**Glazing**

Glazing \* ☒ Dual Glaze

**Base Selections**

Product Line Tuscany

Operating Style Double Sliders

Product Material Vinyl

Configuration Model Double Slider Below Picture

Fin Type 1 3/8" Setback

Series Code 8125T

Frame Accessories None

**Dimensions**

Opening Type Call Out

Call Out Size 6042

Callout Width 72

Callout Height 50

Bottom Window Height 18

**Finishes**

Exterior Finish Espresso

Interior Finish White

**Energy Packages**

Energy Package Energy Star South-Central

**Glazing**

**New Item**

**Continue** Cancel | Price: 1,571.74 USD

Window 1.1 - DS **2.1 - PW** More...

PW  
2.1: Fixed Glass And Grids / Glass Sizes - Width:66 3/4 X Height:26 1/4

**Glass**

Tempered *	None
Glass Type Outer Lite *	SunCoatMAX (Low-E)
Glass Type Inner Lite *	Clear
Glass Thickness Outer Lite *	1/8"
Glass Thickness Inner Lite *	1/8"

**Spacer Type**

Spacer *	EdgeGardMAX
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**Grids**

Grid Type *	None
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Note that the Glass options (above) are completed and cannot be edited on the **Glass** sub-tab(s). Return to the **Window** tab if the overall **Energy Package** settings need to be changed to accommodate specific requirements.

- Click the **Finish** button to finalize the build.

**New Item**

**Finish** Cancel | Price: 1,756.00 USD

Window 1.1 - DS 2.1 - PW Comments **Dealer Option** More...

- The **Energy Package**, added from **Preferences** to a **Window**, is listed in the **Shopping Cart** and the steps are complete. Use the [Edit Item](#) link to make any changes.

Quote Lines

☒ Validate All ☐ Collapse All

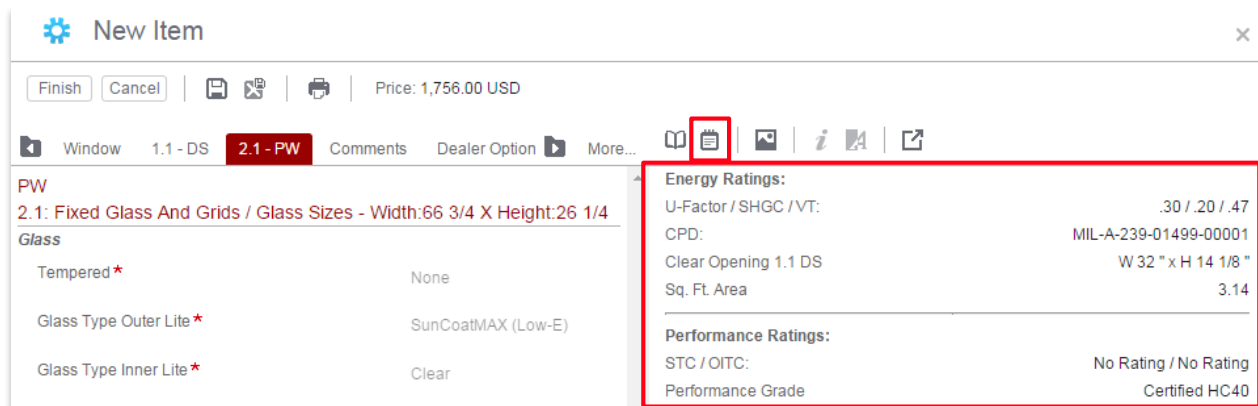
Total Quantity: 1 Windows, 0 Doors Total Price: 808.44

Line	Location/Label	Item	Qty	UOM	Price	Total
1		Window	1	EA	808.44	808.44
	<a href="#">Edit Item</a>	Configured Window		<a href="#">Line Details</a>		<a href="#">Remove</a>
	<a href="#">Adjust Price</a>	Tuscany, 8125T, DSB, 1 3/8" Setback, Ext Espresso/Int White, Call Out 6042, U-Factor: .30, SHGC: .20, VT: .47				
		Size = Net Frame 71 1/2" X 49 1/2"				
		Glass = 3/32" SunCoatMAX (Low-E) over 3/32" Clear				
		Dimensions = Bottom Window Height 18"				
		Model = Double Slider Below Picture				
		Handling = Double Slider XXL				
		Energy Package = Energy Star South-Central Energy Package				
		Other Glass = Gray EdgeGardMAX Spacer with Argon				
		Hardware = SmartTouch Lock				
		Screen = Standard with Fiberglass Mesh				
		Ratings = STC: No Rating, OITC: No Rating, Certified HC40				
		Clear Opening = W 32" x H 14 1/8" Sq. Ft. 3.14				
		Calculations = Unit Area (Sq. Ft.) 25, Unit Perimeter (nominal in lineal ft) 21'				
		Other Ratings = CPD: MIL-A-239-01499-00001				

[View Image](#)

## Energy Packages Characteristics

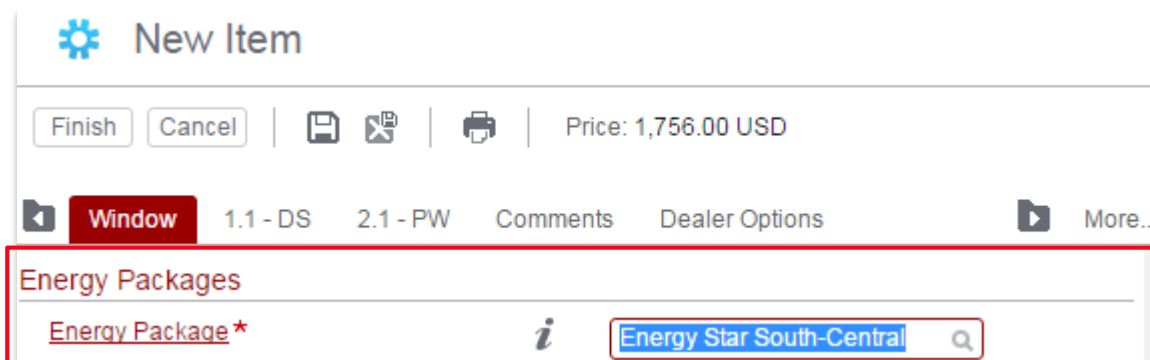
- ❖ **Energy Packages** can be selected from **Preferences** or added in the **Item Configurator**.
- ❖ Details for **Energy Package ratings** can be viewed in the *Details View* from the right panel.



- ❖ The **Proofing Report** lists **Energy Package** details.



- ❖ **Energy Packages** can be added or changed from within the **Item Configurator** on the **Item** tab (i.e., *Window* tab in the screenshot below).



- ❖ The Expanded view in the **Shopping Cart** will display **Energy Package** selections.

