

energy star . gov

WINDOWS			SKYLIGHTS		
CLIMATE ZONE	U-FACTOR ¹	SHGC ²	CLIMATE ZONE	U-FACTOR ¹	SHGC ²
Northern	≤ 0.27	Any	Northern	≤ 0.50	Any
North Central	= 0.28	≥ 0.32	North Central	≤ 0.53	≤ 0.35
South Central	= 0.29	≥ 0.37	South Central	≤ 0.53	≤ 0.28
Southern	= 0.30	≥ 0.42	Southern	≤ 0.60	≤ 0.28
	≤ 0.30	≤ 0.40			
	≤ 0.30	≤ 0.25			
	≤ 0.40	≤ 0.25			

Prescriptive
 Equivalent Energy Performance
 Air Leakage ≤ 0.3 cfm/ft2
¹ Btu/h ft2·F
² Solar Heat Gain Coefficient

any combination

↓
 Solar Heat Gain Coefficient.
 inverse of R-value.

1/R-value = U-factor

**City of Milwaukee Health Department
Childhood Lead Poisoning Prevention Program (CLPPP)**

Vinyl Replacement Window Standard

The following window models are approved for use by the CLPPP. If an alternative window is to be used it shall be the responsibility of the proposer to demonstrate to the satisfaction of the CLPPP that the window meets or exceeds these standards.

Supplier

ABC Supply (Amcraft)
ABC Supply
ABC Supply
ABC Supply
ABC Supply
Alside Supply Center
GS Windows
Gulf Eagle Supply **Crystal #200, #500**
Lisbon Storm Screen & Door
Lisbon Storm Screen & Door
Lowe's Home Improvements
Home Depot
Milwaukee Builder's Supply
Milwaukee Builder's Supply
Milwaukee Builder's Supply
Milwaukee Insulation
Norandex/Reynolds
Prolite Building Supply, LLC
Richards Building Supply
Richards Building Supply
Richards Building Supply
Unlimited Inc.
United Products Corp
Verhalen Corporation

Model

Grand Estates Plus
Crystal #200, #500
Radiance
Mastic 3000
Heartland Hampton Series Milwaukee
Excalibur Window
Sargas 2000

Viewpoint-3000 Series (w/up-charge)
Winstrom 800
ThermaStar by Pella (up-charge w/sun defense)
American Craftsman 8500 (up-charge)
Atrium Series #8300
Winstrom 800
Gentek-Signature #0201
Corvus Select 1000
Viewpoint-3000 Series (w/up-charge)
GrandView 3000
Crystal #200, #500
RBS Performance Plus
Legacy 9400
2100 Series
Revere 200 series
ThermaStar by Pella (up-charge w/sun defense)

Characteristics of MHD approved vinyl replacement windows

- Poly Vinyl Chloride Double hung window
- Energy Star rated
- Insulated glass
- Low "e" coated
- Argon filled
- Virgin PVC material
- Mitered Fusion Weld-Weld construction for frames and sashes
- Half screen, extruded (not roll) aluminum frame construction
- Tilt-in sash
- Constant force balance system or Block and tackle balance system
- Interlocking meeting rail
- 10 year insulating glass guarantee
- 10 year glass breakage guarantee
- Vent locks
- .30 or less U-factor
- .30 or less Solar Heat Gain Coefficient