

# Flat Glass Ontology

## Metadata

### IRI

<http://w3id.org/CEON/ontology/flatglass/>

### Title

Flat Glass Ontology

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### License

<https://github.com/LiUSemWeb/DPP/blob/master/LICENSE>

### Version Iri

<http://w3id.org/CEON/ontology/flatglass//0.2/>

### Version Info

0.2

### Preferred Namespace Prefix

window

### Preferred Namespace Uri

<http://w3id.org/CEON/ontology/flatglass/>

### Description

This is the Flat Glass Ontology

## Classes

## Building Object<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObject">http://w3id.org/CEON/ontology/flatglass/BuildingObject</a>
<b><u>In Domain Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/dismountingParameter">http://w3id.org/CEON/ontology/flatglass/dismountingParameter</a> <sup>op</sup> <a href="#">has component</a> <sup>op</sup> <a href="http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition">http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition</a> <sup>op</sup> <a href="http://w3id.org/CEON/ontology/flatglass/hasStructure">http://w3id.org/CEON/ontology/flatglass/hasStructure</a> <sup>op</sup> <a href="#">door</a> <sup>dp</sup> <a href="#">window door</a> <sup>dp</sup>
<b><u>In Range Of</u></b>	<a href="#">has component</a> <sup>op</sup>
<b><u>Super Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/flatglass/WindowFrame">http://w3id.org/CEON/ontology/flatglass/WindowFrame</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>C</sup>

## Building Object Type<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObjectType">http://w3id.org/CEON/ontology/flatglass/BuildingObjectType</a>
<b><u>Super Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlassType">http://w3id.org/CEON/ontology/flatglass/WindowGlassType</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/flatglass/WindowType">http://w3id.org/CEON/ontology/flatglass/WindowType</a> <sup>C</sup>

## Condition<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Condition">http://w3id.org/CEON/ontology/flatglass/Condition</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/StructuralParameter">http://w3id.org/CEON/ontology/flatglass/StructuralParameter</a> <sup>C</sup>
<b><u>Equivalentclass</u></b>	
<b><u>In Range Of</u></b>	<a href="#">has frame condition</a> <sup>op</sup>
<b><u>Named Individuals</u></b>	<a href="#">fair</a> <sup>ni</sup> <a href="http://w3id.org/CEON/ontology/flatglass/good">http://w3id.org/CEON/ontology/flatglass/good</a> <sup>ni</sup> <a href="#">poor condition</a> <sup>ni</sup>

## Dismounting Direction<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DismountingDirection">http://w3id.org/CEON/ontology/flatglass/DismountingDirection</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DismountingParameter"><sup>C</sup></a>
<b>In Range Of</b>	<a href="#">mounted from inside/outside<sup>op</sup></a>
<b>Named Individuals</b>	<a href="#">from inside<sup>ni</sup></a> <a href="#">from outside<sup>ni</sup></a>

## Dismounting Parameter<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DismountingParameter">http://w3id.org/CEON/ontology/flatglass/DismountingParameter</a>
<b>In Range Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/dismountingParameter"><sup>op</sup></a>
<b>Super Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DismountingDirection"><sup>C</sup></a>

## Downcyclable Window<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindow">http://w3id.org/CEON/ontology/flatglass/DowncyclableWindow</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window"><sup>C</sup></a>
<b>Equivalentclass</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowEnamelledGlass"><sup>C</sup></a> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWithLaminatedGlass"><sup>C</sup></a> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWThickFilm"><sup>C</sup></a> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWBodyTintedGlass"><sup>C</sup></a>
<b>Super Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowEnamelledGlass"><sup>C</sup></a> <a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWBodyTintedGlass"><sup>C</sup></a> <a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWThickFilm"><sup>C</sup></a> <a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWithLaminatedGlass"><sup>C</sup></a>

## Downcyclable Window Enamelled Glass<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowEnamelledGlass">http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowEnamelledGlass</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/DowncyclableWindow"><sup>C</sup></a>
<b>Equivalentclass</b>	<a href="#">fire glass with gel<sup>dp</sup> value false<sup>C</sup> and wired glass<sup>dp</sup> value false<sup>C</sup> and fire glass without gel<sup>dp</sup> value false<sup>C</sup> and</a> <a href="http://w3id.org/CEON/ontology/flatglass/Window"><sup>C</sup></a> <a href="#">and enamelled glass<sup>dp</sup> value true<sup>C</sup></a>

## Downcyclable Window W Body Tinted Glass<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWBodyTintedGlass>

**Sub Class Of** <http://w3id.org/CEON/ontology/flatglass/DowncyclableWindow><sup>c</sup>

**Equivalentclass** <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup> and [body tinted glass](#)<sup>dp</sup> value [true](#)<sup>c</sup> and [fire glass without gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [fire glass with gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [wired glass](#)<sup>dp</sup> value [false](#)<sup>c</sup>

## Downcyclable Window W Thick Film<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWThickFilm>

**Sub Class Of** <http://w3id.org/CEON/ontology/flatglass/DowncyclableWindow><sup>c</sup>

**Equivalentclass** <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup> and [fire glass with gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [fire glass without gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [wired glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [film thicker than 0.25mm](#)<sup>dp</sup> value [true](#)<sup>c</sup>

## Downcyclable Window With Laminated Glass<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/DowncyclableWindowWithLaminatedGlass>

**Sub Class Of** <http://w3id.org/CEON/ontology/flatglass/DowncyclableWindow><sup>c</sup>

**Equivalentclass** [laminated glass](#)<sup>dp</sup> value [true](#)<sup>c</sup> and [body tinted glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [film thicker than 0.25mm](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [wired glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [fire glass without gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [enamelled glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> and [fire glass with gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> and <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

## Ligth Transmission Level<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/LigthTransmissionLevel>

**Sub Class Of** <http://w3id.org/CEON/ontology/flatglass/StructuralParameter><sup>c</sup>

**Equivalentclass**

**In Range Of** [LT above 63%](#)<sup>op</sup>

**Named Individuals** <http://w3id.org/CEON/ontology/flatglass/Above63Perc><sup>ni</sup>  
<http://w3id.org/CEON/ontology/flatglass/Below63Perc><sup>ni</sup>

## Material<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/Material>

### In Range Of

[has frame material](#)<sup>op</sup>

<http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition><sup>op</sup>

### Named Individuals

[Aluminium](#)<sup>ni</sup>

<http://w3id.org/CEON/ontology/flatglass/PVC><sup>ni</sup>

[Steel](#)<sup>ni</sup>

[Wood](#)<sup>ni</sup>

## Non Recyclable Window<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/NonRecyclableWindow>

### Sub Class Of

<http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

### Equivalentclass

[fire glass with gel](#)<sup>dp</sup> value [true](#)<sup>c</sup> *or* [fire glass without gel](#)<sup>dp</sup> value [true](#)<sup>c</sup> *or* [wired glass](#)<sup>dp</sup> value [true](#)<sup>c</sup> *or* [fire glass](#)<sup>dp</sup> value [true](#)<sup>c</sup> *and* [http://w3id.org/CEON/ontology/flatglass/Window](#)<sup>c</sup>

## Recyclable Window<sup>c</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/RecyclableWindow>

### Sub Class Of

<http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

### Equivalentclass

<http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup> *and* [wired glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> *and* [enamelled glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> *and* [film thicker than 0.25mm](#)<sup>dp</sup> value [false](#)<sup>c</sup> *and* [fire glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> *or* [fire glass without gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> *and* [fire glass with gel](#)<sup>dp</sup> value [false](#)<sup>c</sup> *and* [laminated glass](#)<sup>dp</sup> value [false](#)<sup>c</sup> *and* [body tinted glass](#)<sup>dp</sup> value [false](#)<sup>c</sup>

### Super Class Of

<http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWBlinds><sup>c</sup>

<http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWFilmOnGlass><sup>c</sup>

<http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWGeorgianBar><sup>c</sup>

<http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWHazardousSubstance><sup>c</sup>

<http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWTemperedGlass><sup>c</sup>

## Recyclable Window W Asbestos<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWAsbestos">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWAsbestos</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWHazardousSubstance">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWHazardousSubstance</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="#">Asbestor Y/N</a> <sup>dp</sup> value <a href="#">true</a> <sup>C</sup> <i>and</i> <a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>

## Recyclable Window W Blinds<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWBlinds">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWBlinds</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="#">integrated blind</a> <sup>dp</sup> value <a href="#">true</a> <sup>C</sup> <i>and</i> <a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup> <i>and</i> <a href="#">PCB Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup> <i>and</i> <a href="#">Asbestor Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup>

## Recyclable Window W Film On Glass<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWFilmOnGlass">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWFilmOnGlass</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="#">Asbestor Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup> <i>and</i> <a href="#">PCB Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup> <i>and</i> <a href="#">film on glass</a> <sup>dp</sup> value <a href="#">true</a> <sup>C</sup> <i>and</i> <a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>

## Recyclable Window W Georgian Bar<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWGeorgianBar">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWGeorgianBar</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="#">Georgian bar in singl fram/IGU?</a> <sup>dp</sup> value <a href="#">true</a> <sup>C</sup> <i>and</i> <a href="#">PCB Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup> <i>and</i> <a href="#">Asbestor Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup> <i>and</i> <a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>

## Recyclable Window W Hazardous Substance<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWHazardousSubstance">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWHazardousSubstance</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWAsbestos">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWAsbestos</a> <sup>C</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWPCB">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWPCB</a> <sup>C</sup>
<b>Super Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWAsbestos">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWAsbestos</a> <sup>C</sup> <a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWPCB">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWPCB</a> <sup>C</sup>

## Recyclable Window Wpcb<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWPCB">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWPCB</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWHazardousSubstance">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWHazardousSubstance</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup> <i>and</i> <a href="#">PCB Y/N</a> <sup>dp</sup> value <a href="#">true</a> <sup>C</sup>

## Recyclable Window W Tempered Glass<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWTemperedGlass">http://w3id.org/CEON/ontology/flatglass/RecyclableWindowWTemperedGlass</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="#">Asbestor Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup> <i>and</i> <a href="#">PCB Y/N</a> <sup>dp</sup> value <a href="#">false</a> <sup>C</sup> <i>and</i> <a href="http://w3id.org/CEON/ontology/flatglass/RecyclableWindow">http://w3id.org/CEON/ontology/flatglass/RecyclableWindow</a> <sup>C</sup> <i>and</i> <a href="#">tempered glass</a> <sup>dp</sup> value <a href="#">true</a> <sup>C</sup>

## Reusable Window<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/ReusableWindow">http://w3id.org/CEON/ontology/flatglass/ReusableWindow</a>
<b>Sub Class Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>C</sup>
<b>Equivalentclass</b>	<a href="#">Sound reduction 40/37/35/30</a> <sup>op</sup> value <a href="http://w3id.org/CEON/ontology/flatglass/level37">http://w3id.org/CEON/ontology/flatglass/level37</a> <sup>C</sup> <i>or</i> <a href="#">Sound reduction 40/37/35/30</a> <sup>op</sup> value <a href="http://w3id.org/CEON/ontology/flatglass/level40">http://w3id.org/CEON/ontology/flatglass/level40</a> <sup>C</sup> <i>and</i> <a href="#">LT above 63%</a> <sup>op</sup> value <a href="http://w3id.org/CEON/ontology/flatglass/Above63Perc">http://w3id.org/CEON/ontology/flatglass/Above63Perc</a> <sup>C</sup> <i>and</i> <a href="#">u-value 2.7/1.8/1.1/0.7</a> <sup>op</sup> value <a href="#">1.8</a> <sup>C</sup> <i>or</i> <a href="#">u-value 2.7/1.8/1.1/0.7</a> <sup>op</sup> value <a href="#">2.7</a> <sup>C</sup> <i>and</i> <a href="#">has frame condition</a> <sup>op</sup> value <a href="http://w3id.org/CEON/ontology/flatglass/good">http://w3id.org/CEON/ontology/flatglass/good</a> <sup>C</sup>

## Sound Reduction Level<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/SoundReductionLevel>

**Sub Class Of** [<sup>C</sup>](http://w3id.org/CEON/ontology/flatglass/StructuralParameter)

**Equivalentclass**

**In Range Of** [Sound reduction 40/37/35/30](#)<sup>op</sup>

**Named Individuals** [<sup>ni</sup>](http://w3id.org/CEON/ontology/flatglass/level30)  
[<sup>ni</sup>](http://w3id.org/CEON/ontology/flatglass/level35)  
[<sup>ni</sup>](http://w3id.org/CEON/ontology/flatglass/level37)  
[<sup>ni</sup>](http://w3id.org/CEON/ontology/flatglass/level40)

## Structural Parameter<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/StructuralParameter>

**In Range Of** [<sup>op</sup>](http://w3id.org/CEON/ontology/flatglass/hasStructure)

**Super Class Of** [<sup>C</sup>](http://w3id.org/CEON/ontology/flatglass/Condition)  
[<sup>C</sup>](http://w3id.org/CEON/ontology/flatglass/LigthTransmissionLevel)  
[<sup>C</sup>](http://w3id.org/CEON/ontology/flatglass/SoundReductionLevel)  
[<sup>C</sup>](http://w3id.org/CEON/ontology/flatglass/U-value)  
[<sup>C</sup>](http://w3id.org/CEON/ontology/flatglass/WindowCompositionType)

## U-Value<sup>C</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/U-value>

**Sub Class Of** [<sup>C</sup>](http://w3id.org/CEON/ontology/flatglass/StructuralParameter)

**Equivalentclass**

**In Range Of** [u-value 2,7/1,8/1,1/0,7](#)<sup>op</sup>

**Named Individuals** [0.7](#)<sup>ni</sup>  
[1.1](#)<sup>ni</sup>  
[1.8](#)<sup>ni</sup>  
[2.7](#)<sup>ni</sup>



## Window<sup>c</sup>

IRI

<http://w3id.org/CEON/ontology/flatglass/Window>

### Sub Class Of

<http://w3id.org/CEON/ontology/flatglass/BuildingObject><sup>c</sup>  
[integrated blind](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [window type](#)<sup>op</sup> *exactly* 1  
<http://w3id.org/CEON/ontology/flatglass/WindowCompositionType><sup>c</sup> *and* [Sound reduction 40/37/35/30](#)<sup>op</sup> *max* 1  
<http://w3id.org/CEON/ontology/flatglass/SoundReductionLevel><sup>c</sup> *and* [stamp on glass](#)<sup>dp</sup> *max* 1 [xsd:boolean](#)<sup>c</sup> *and* [connected](#)<sup>dp</sup> *max* 1 [xsd:boolean](#)<sup>c</sup> *and* [fire glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [body tinted glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [enamelled glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [has component](#)<sup>op</sup> some  
<http://w3id.org/CEON/ontology/flatglass/WindowGlass><sup>c</sup> *and* [PCB Y/N](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [has component](#)<sup>op</sup> some  
<http://w3id.org/CEON/ontology/flatglass/WindowFrame><sup>c</sup> *and* [window door](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [solar control glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [has frame condition](#)<sup>op</sup> *max* 1 <http://w3id.org/CEON/ontology/flatglass/Condition><sup>c</sup> *and* [laminated glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [size](#)<sup>dp</sup> *max* 1 [xsd:string](#)<sup>c</sup> *and* [u-value 2,7/1,8/1,1/0,7](#)<sup>op</sup> *max* 1 <http://w3id.org/CEON/ontology/flatglass/U-value><sup>c</sup> *and* [Georgian bar in singl fram/IGU?](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [LT above 63%](#)<sup>op</sup> *max* 1 <http://w3id.org/CEON/ontology/flatglass/LigthTransmissionLevel><sup>c</sup> *and* [Asbestor Y/N](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [wired glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [film on glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [door](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [manufacturing month year \(mmYY\)](#)<sup>dp</sup> *max* 1 [xsd:gMonthYear](#)<sup>c</sup> *and* [total glass thickness](#)<sup>dp</sup> *max* 1 [xsd:string](#)<sup>c</sup> *and* [has frame material](#)<sup>op</sup> *min* 1  
<http://w3id.org/CEON/ontology/flatglass/Material><sup>c</sup> *and* [tempered glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [patterned glass](#)<sup>dp</sup> *exactly* 1 [xsd:boolean](#)<sup>c</sup> *and* [mounted from inside/outside](#)<sup>op</sup> *max* 1  
<http://w3id.org/CEON/ontology/flatglass/DismountingDirection><sup>c</sup>

### In Domain Of

[replacement frame or glass](#)<sup>op</sup>  
[mounted from inside/outside](#)<sup>op</sup>  
[connected](#)<sup>dp</sup>  
[PCB Y/N](#)<sup>dp</sup>  
<http://w3id.org/CEON/ontology/flatglass/openable><sup>dp</sup>

### Super Class Of

<http://w3id.org/CEON/ontology/flatglass/DowncyclableWindow><sup>c</sup>  
<http://w3id.org/CEON/ontology/flatglass/NonRecyclableWindow><sup>c</sup>  
<http://w3id.org/CEON/ontology/flatglass/RecyclableWindow><sup>c</sup>  
<http://w3id.org/CEON/ontology/flatglass/ReusableWindow><sup>c</sup>

## Window Composition Type<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowCompositionType">http://w3id.org/CEON/ontology/flatglass/WindowCompositionType</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/StructuralParameter"><sup>C</sup></a>
<b><u>In Range Of</u></b>	<a href="#"><u>window type</u></a> <sup>op</sup>
<b><u>Named Individuals</u></b>	<a href="#"><u>IGU only</u></a> <sup>ni</sup> <a href="#"><u>single glass only</u></a> <sup>ni</sup> <a href="#"><u>connected 1+1</u></a> <sup>ni</sup> <a href="#"><u>connected 2+1</u></a> <sup>ni</sup>

## Window Frame<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowFrame">http://w3id.org/CEON/ontology/flatglass/WindowFrame</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObject"><sup>C</sup></a>

## Window Glass<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObject"><sup>C</sup></a>

## Window Glass Type<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlassType">http://w3id.org/CEON/ontology/flatglass/WindowGlassType</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObjectType"><sup>C</sup></a>

## Window Type<sup>C</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowType">http://w3id.org/CEON/ontology/flatglass/WindowType</a>
<b><u>Sub Class Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObjectType"><sup>C</sup></a>

## Object Properties

dismounting parameter<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/dismountingParameter>

**Super Property Of** [mounted from inside/outside<sup>op</sup>](#)

**Domain** <http://w3id.org/CEON/ontology/flatglass/BuildingObject><sup>C</sup>

**Range** <http://w3id.org/CEON/ontology/flatglass/DismountingParameter><sup>C</sup>

has component<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/hasComponent>

**Domain** <http://w3id.org/CEON/ontology/flatglass/BuildingObject><sup>C</sup>

**Range** <http://w3id.org/CEON/ontology/flatglass/BuildingObject><sup>C</sup>

has frame condition<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/hasFrameCondition>

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/reuseParameter><sup>op</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/Window><sup>C</sup> *or* <http://w3id.org/CEON/ontology/flatglass/WindowFrame><sup>C</sup>

**Range** <http://w3id.org/CEON/ontology/flatglass/Condition><sup>C</sup>

has frame material<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/hasFrameMaterial>

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition><sup>op</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/WindowFrame><sup>C</sup> *or* <http://w3id.org/CEON/ontology/flatglass/Window><sup>C</sup>

**Range** <http://w3id.org/CEON/ontology/flatglass/Material><sup>C</sup>

## LT above 63%<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasLightTransmission">http://w3id.org/CEON/ontology/flatglass/hasLightTransmission</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasStructure">http://w3id.org/CEON/ontology/flatglass/hasStructure</a> <sup>op</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>C</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>C</sup>
<b>Range</b>	<a href="http://w3id.org/CEON/ontology/flatglass/LigthTransmissionLevel">http://w3id.org/CEON/ontology/flatglass/LigthTransmissionLevel</a> <sup>C</sup>

## has material composition<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition">http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recyclingParameter">http://w3id.org/CEON/ontology/flatglass/recyclingParameter</a> <sup>op</sup>
<b>Super Property Of</b>	<a href="#">has frame material</a> <sup>op</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObject">http://w3id.org/CEON/ontology/flatglass/BuildingObject</a> <sup>C</sup>
<b>Range</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Material">http://w3id.org/CEON/ontology/flatglass/Material</a> <sup>C</sup>

## Sound reduction 40/37/35/30<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasSoundReduction">http://w3id.org/CEON/ontology/flatglass/hasSoundReduction</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasStructure">http://w3id.org/CEON/ontology/flatglass/hasStructure</a> <sup>op</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>C</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>C</sup>
<b>Range</b>	<a href="http://w3id.org/CEON/ontology/flatglass/SoundReductionLevel">http://w3id.org/CEON/ontology/flatglass/SoundReductionLevel</a> <sup>C</sup>

## has structure<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasStructure">http://w3id.org/CEON/ontology/flatglass/hasStructure</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/reuseParameter">http://w3id.org/CEON/ontology/flatglass/reuseParameter</a> <sup>op</sup>
<b>Super Property Of</b>	<ul style="list-style-type: none"><li>• <a href="#">LT above 63%</a><sup>op</sup></li><li>• <a href="#">Sound reduction 40/37/35/30</a><sup>op</sup></li><li>• <a href="#">u-value 2,7/1,8/1,1/0,7</a><sup>op</sup></li><li>• <a href="#">window type</a><sup>op</sup></li></ul>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObject">http://w3id.org/CEON/ontology/flatglass/BuildingObject</a> <sup>C</sup>
<b>Range</b>	<a href="http://w3id.org/CEON/ontology/flatglass/StructuralParameter">http://w3id.org/CEON/ontology/flatglass/StructuralParameter</a> <sup>C</sup>

u-value 2,7/1,8/1,1/0,7<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasUValue">http://w3id.org/CEON/ontology/flatglass/hasUValue</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasStructure">http://w3id.org/CEON/ontology/flatglass/hasStructure</a> <sup>op</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/U-value">http://w3id.org/CEON/ontology/flatglass/U-value</a> <sup>c</sup>

window type<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasWindowComposition">http://w3id.org/CEON/ontology/flatglass/hasWindowComposition</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasStructure">http://w3id.org/CEON/ontology/flatglass/hasStructure</a> <sup>op</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowCompositionType">http://w3id.org/CEON/ontology/flatglass/WindowCompositionType</a> <sup>c</sup>

recycling parameter<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recyclingParameter">http://w3id.org/CEON/ontology/flatglass/recyclingParameter</a>
<b><u>Super Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition">http://w3id.org/CEON/ontology/flatglass/hasMaterialComposition</a> <sup>op</sup>

replacement frame or glass<sup>op</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/replacementRecommendation">http://w3id.org/CEON/ontology/flatglass/replacementRecommendation</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/reuseParameter">http://w3id.org/CEON/ontology/flatglass/reuseParameter</a> <sup>op</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowFrame">http://w3id.org/CEON/ontology/flatglass/WindowFrame</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>

reuse parameter<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/reuseParameter>

**Super Property Of**

- [has frame condition](#)<sup>op</sup>
- <http://w3id.org/CEON/ontology/flatglass/hasStructure><sup>op</sup>
- [replacement frame or glass](#)<sup>op</sup>

mounted from inside/outside<sup>op</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/windowDismounting>

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/dismountingParameter><sup>op</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

**Range** <http://w3id.org/CEON/ontology/flatglass/DismountingDirection><sup>c</sup>

## Datatype Properties

body tinted glass<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/bodyTintedGlass>

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/recycleParameterValue><sup>dp</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup> or <http://w3id.org/CEON/ontology/flatglass/WindowGlass><sup>c</sup>

**Range** [xsd:boolean](#)

connected<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/connected>

**Description** A window composed of two connected glass panes.

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/structuralValue><sup>dp</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

**Range** [xsd:boolean](#)

## Asbestor Y/N<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/containsAsbestos">http://w3id.org/CEON/ontology/flatglass/containsAsbestos</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowFrame">http://w3id.org/CEON/ontology/flatglass/WindowFrame</a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:boolean</a>

## PCB Y/N<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/containsPCB">http://w3id.org/CEON/ontology/flatglass/containsPCB</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:boolean</a>

## door<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/door">http://w3id.org/CEON/ontology/flatglass/door</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/structuralValue">http://w3id.org/CEON/ontology/flatglass/structuralValue</a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObject">http://w3id.org/CEON/ontology/flatglass/BuildingObject</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:boolean</a>

## enamelled glass<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/enamelledGlass">http://w3id.org/CEON/ontology/flatglass/enamelledGlass</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:boolean</a>

## film on glass<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/filmOnGlass">http://w3id.org/CEON/ontology/flatglass/filmOnGlass</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b>Super Property Of</b>	<a href="#">film thicker than 0.25mm</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

## film thicker than 0.25mm<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/filmThickerThan0point25">http://w3id.org/CEON/ontology/flatglass/filmThickerThan0point25</a>
<b>Sub Property Of</b>	<a href="#">film on glass</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

## fire glass<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/fireGlass">http://w3id.org/CEON/ontology/flatglass/fireGlass</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

## fire glass with gel<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/fireGlassWGel">http://w3id.org/CEON/ontology/flatglass/fireGlassWGel</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>



## fire glass without gel<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/fireGlassWoGel">http://w3id.org/CEON/ontology/flatglass/fireGlassWoGel</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

## Georgian bar in singl fram/IGU?<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/georgianBar">http://w3id.org/CEON/ontology/flatglass/georgianBar</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

## integrated blind<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/hasIntegratedBlind">http://w3id.org/CEON/ontology/flatglass/hasIntegratedBlind</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/reuseParameterValue">http://w3id.org/CEON/ontology/flatglass/reuseParameterValue</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/WindowFrame">http://w3id.org/CEON/ontology/flatglass/WindowFrame</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

## laminated glass<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/laminatedGlass">http://w3id.org/CEON/ontology/flatglass/laminatedGlass</a>
<b>Sub Property Of</b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b>Domain</b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup> or <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b>Range</b>	<a href="#">xsd:boolean</a>

## manufacturing month year (mmYY) <sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/manufacturingMonthYear">http://w3id.org/CEON/ontology/flatglass/manufacturingMonthYear</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowFrame">http://w3id.org/CEON/ontology/flatglass/WindowFrame</a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:gMonthYear</a>

## openable <sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/openable">http://w3id.org/CEON/ontology/flatglass/openable</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/structuralValue">http://w3id.org/CEON/ontology/flatglass/structuralValue</a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:boolean</a>

## patterned glass <sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/patternedGlass">http://w3id.org/CEON/ontology/flatglass/patternedGlass</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue">http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window">http://w3id.org/CEON/ontology/flatglass/Window</a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass">http://w3id.org/CEON/ontology/flatglass/WindowGlass</a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#">xsd:boolean</a>

## recycle parameter value<sup>dp</sup>

IRI

<http://w3id.org/CEON/ontology/flatglass/recycleParameterValue>

### Super Property Of

- [body tinted glass](#)<sup>dp</sup>
- [Asbestor Y/N](#)<sup>dp</sup>
- [PCB Y/N](#)<sup>dp</sup>
- [enamelled glass](#)<sup>dp</sup>
- [film on glass](#)<sup>dp</sup>
- [fire glass](#)<sup>dp</sup>
- [fire glass with gel](#)<sup>dp</sup>
- [fire glass without gel](#)<sup>dp</sup>
- [Georgian bar in singl fram/IGU?](#)<sup>dp</sup>
- [laminated glass](#)<sup>dp</sup>
- [manufacturing month year \(mmYY\)](#)<sup>dp</sup>
- [patterned glass](#)<sup>dp</sup>
- [size](#)<sup>dp</sup>
- [stamp on glass](#)<sup>dp</sup>
- [tempered glass](#)<sup>dp</sup>
- [total glass thickness](#)<sup>dp</sup>
- [wired glass](#)<sup>dp</sup>

## reuse parameter value<sup>dp</sup>

IRI

<http://w3id.org/CEON/ontology/flatglass/reuseParameterValue>

### Super Property Of

- [integrated blind](#)<sup>dp</sup>
- [solar control glass](#)<sup>dp</sup>

## size<sup>dp</sup>

IRI

<http://w3id.org/CEON/ontology/flatglass/size>

### Sub Property Of

<http://w3id.org/CEON/ontology/flatglass/recycleParameterValue><sup>dp</sup>

### Domain

<http://w3id.org/CEON/ontology/flatglass/WindowFrame><sup>c</sup> or  
<http://w3id.org/CEON/ontology/flatglass/WindowGlass><sup>c</sup> or  
<http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

## solar control glass<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/solarControlGlass>

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/reuseParameterValue><sup>dp</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/WindowGlass><sup>c</sup> or <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

**Range** [xsd:boolean](#)

## stamp on glass<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/stampOnGlass>

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/recycleParameterValue><sup>dp</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/WindowGlass><sup>c</sup> or <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup>

**Range** [xsd:boolean](#)

## structural value<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/structuralValue>

**Super Property Of**

- [connected](#)<sup>dp</sup>
- [door](#)<sup>dp</sup>
- <http://w3id.org/CEON/ontology/flatglass/openable><sup>dp</sup>
- [window door](#)<sup>dp</sup>

## tempered glass<sup>dp</sup>

**IRI** <http://w3id.org/CEON/ontology/flatglass/temperedGlass>

**Sub Property Of** <http://w3id.org/CEON/ontology/flatglass/recycleParameterValue><sup>dp</sup>

**Domain** <http://w3id.org/CEON/ontology/flatglass/Window><sup>c</sup> or <http://w3id.org/CEON/ontology/flatglass/WindowGlass><sup>c</sup>

**Range** [xsd:boolean](#)

total glass thickness<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/totalGlassThickness">http://w3id.org/CEON/ontology/flatglass/totalGlassThickness</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue"><u>http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</u></a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/Window"><u>http://w3id.org/CEON/ontology/flatglass/Window</u></a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass"><u>http://w3id.org/CEON/ontology/flatglass/WindowGlass</u></a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#"><u>xsd:float</u></a>

window door<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/windowDoor">http://w3id.org/CEON/ontology/flatglass/windowDoor</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/structuralValue"><u>http://w3id.org/CEON/ontology/flatglass/structuralValue</u></a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/BuildingObject"><u>http://w3id.org/CEON/ontology/flatglass/BuildingObject</u></a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#"><u>xsd:boolean</u></a>

wired glass<sup>dp</sup>

<b>IRI</b>	<a href="http://w3id.org/CEON/ontology/flatglass/wiredGlass">http://w3id.org/CEON/ontology/flatglass/wiredGlass</a>
<b><u>Sub Property Of</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/recycleParameterValue"><u>http://w3id.org/CEON/ontology/flatglass/recycleParameterValue</u></a> <sup>dp</sup>
<b><u>Domain</u></b>	<a href="http://w3id.org/CEON/ontology/flatglass/WindowGlass"><u>http://w3id.org/CEON/ontology/flatglass/WindowGlass</u></a> <sup>c</sup> <i>or</i> <a href="http://w3id.org/CEON/ontology/flatglass/Window"><u>http://w3id.org/CEON/ontology/flatglass/Window</u></a> <sup>c</sup>
<b><u>Range</u></b>	<a href="#"><u>xsd:boolean</u></a>

## Namespaces

### dcterms

<http://purl.org/dc/terms/>

### owl

<http://www.w3.org/2002/07/owl#>

### prov

<http://www.w3.org/ns/prov#>

### rdf

<http://www.w3.org/1999/02/22-rdf-syntax-ns#>

### rdfs

<http://www.w3.org/2000/01/rdf-schema#>

### vann

<http://purl.org/vocab/vann/>

### xsd

## Legend

c

op

dp

Classes

Object Properties

Datatype Properties