

Solarglas
Solar GlassKlasse:
Class:**U3**
U3Handelsname : **EcoGuard ExtraClear +**
Trade name : **3.2 mm**Anbieter : **Guardian Czestochowa**
Distributor : **Sp. z o.o.**Prüfnummer : **GUAP0802100SGZ**
Test number :Gültigkeit : **05.2008 – 04.2011**
Validity :

Das Glas **EcoGuard ExtraClear +** in der Dicke 3.2 mm im Vertrieb durch die **Guardian Czestochowa Sp. z o.o., ul. Korfantego 31/35, PL 42-200 Czestochowa**, hat das SPF-Verfahren „Zertifizierung von Solarglas“ Version 2.1 durchlaufen und wurde als Solarglas (Solarthermie) zertifiziert und der Klasse U3 zugeordnet. Dem Glas wurde das Qualitätslabel **SPF08•63-U3** verliehen.

*The glass **EcoGuard ExtraClear +** of 3.2 mm thickness sold by **Guardian Czestochowa Sp. z o.o., ul. Korfantego 31/35, PL 42-200 Czestochowa**, has passed the SPF-procedure "Certification of Solar Glass" version 2.1 and was certified as solar glass (solar thermal) and assigned to class U3. This glass has been awarded the quality label **SPF08•63-U3**.*

Rapperswil, 21.5.2008

Felix Flückiger
SPF Testing

Cert. Nr.: **GUAP0802100SGZ**

Commissioner Guardian Czestochowa Sp. z o.o.
ul. Korfantego 31/35
PL 42-200 Czestochowa

Product	EcoGuard ExtraClear + 3.2mm	trade name / thickness
	None	treatment (anti-reflex; anti-soiling)
	15.2.2008	date of delivery
Test	SPF Certification Solarglass (Vers. 2.1)	
Validity	05.2008 – 04.2011	
Result	Solar Glass of class U3	Label SPF08•63-U3

Transmission Factor	$F_{\tau} = 0.889$
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Source:	Institution	SPF-HSR, CH-8640 Rapperswil
	Report	Test Report Transmittance Nr. GUAP0802100L
	Date	19.2.2008

IAM Weighting Factor	$F_{IAM} = 0.991$
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Source:	Institution	SPF-HSR, CH-8640 Rapperswil
	Report	Test Report Incidence Angle Modifier Nr. GUAP0802100t
	Date	19.2.2008

Photodegradation Factor	$F_{UV} = 1.000$
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Source:	Institution	SPF-HSR, CH-8640 Rapperswil
	Report	Test Report Transmittance Nr. GUAP0802100L & Test Report Transmittance Nr. GUAP0802101L
	Date	24.4.2008

Degradation Factor	$F_{DEG} = 0.999$
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Source:	Institution	-
	Report	-
	Date	-

Glass efficiency value	$\eta_{GI} = 0.880$
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