

Solarglas Klasse: **U3**
Solar Glass Class: **U3**

Handelsname : **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 $F_{\tau} = 0.889$

Source: **Institution** SPF-HSR, CH-8640 Rapperswil
Report Test Report Transmittance Nr. GUAP0802100L
Date 19.2.2008

IAM Weighting Factor $F_{IAM} = 0.991$

Source: **Institution** SPF-HSR, CH-8640 Rapperswil
Report Test Report Incidence Angle Modifier Nr.
GUAP0802100t
Date 19.2.2008

Photodegradation Factor $F_{UV} = 1.000$

Source: **Institution** SPF-HSR, CH-8640 Rapperswil
Report Test Report Transmittance Nr. GUAP0802100L &
Test Report Transmittance Nr. GUAP0802101L
Date 24.4.2008

Degradation Factor $F_{DEG} = 0.999$

Source: **Institution** -
Report -
Date -

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

Rapperswil, 21.5.2008

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