

Solarglas
Solar Glass

Klasse: U3
Class: U3

Handelsname :
Trade name : **ExtraClear Plus 4mm**

Anbieter :
Distributor : **Guardian Industries Poland**

Prüfnummer :
Test number : **GUAP0609200SGZ**

Gültigkeit :
Validity : **12.2006 – 11.2009**

Das Glas **ExtraClear Plus** in der Dicke 4 mm im Vertrieb durch die **Guardian Industries Poland, ul. Korfantego 31/35, PL-42-200 Czeszochowa** 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 **SPF06•23-U3** verliehen.

*The glass **ExtraClear Plus** of 4 mm thickness sold by **Guardian Industries Poland, ul. Korfantego 31/35, PL-42-200 Czeszochowa** 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 **SPF06•23-U3**.*

Rapperswil, December 7, 2006



Dr. Andreas Bohren
Leiter SPF Testing
Head of SPF Testing

Cert. Nr.: **GUAP0609200SGZ**

Commissioner Guardian Industries Poland Sp.z o.o.
ul. Korfantego 31/35
PL – 42-200 Czeszochowa
Poland

Product ExtraClear Plus 4 mm trade name / thickness
None treatment (anti-reflex; anti-soiling)
09.2006 date of delivery

Test SPF Certification Solarglass (Vers. 2.1)

Validity 12.2006 – 11.2009

Result Solar Glass of class U3 **Label** **SPF06•23-U3**

Transmission Factor $F_t = 0.880$

Source: Institution SPF-HSR, CH-8640 Rapperswil
Report Test Report Transmittance Nr. GUAP0609200L
Date 25.11.2006

IAM Weighting Factor $F_{IAM} = 0.994$

Source: Institution SPF-HSR, CH-8640 Rapperswil
Report Test Report Incidence Angle Modifier Nr.
GUAP0609200t
Date 14.11.2006

Photodegradation Factor $F_{UV} = 0.999$

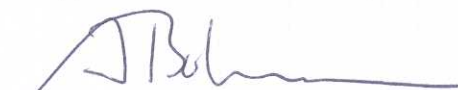
Source: Institution SPF-HSR, CH-8640 Rapperswil
Report Test Report Transmittance Nr. GUAP0609200L &
Test Report Transmittance Nr. GUAP0609201L
Date 29.11.2006

Degradation Factor $F_{DEG} = 1.000$

Source: Institution -
Report -
Date -

Glass efficiency value $\eta_{GI} = 0.874$

Rapperswil, December 7, 2006



Dr. Andreas Bohren

Leiter SPF Testing / Head of SPF Testing

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