



Centrum stavebního inženýrství a.s. Praha  
Centre of Building Construction Engineering Prague  
Akreditované zkušební laboratoře, Autorizovaná osoba,  
Oznámený subjekt, Certifikační orgán  
Accredited Test Laboratories, Authorised Body,  
Notified Body, Certification Body  
Pražská 16, 102 00 Praha 10



## REPORT

### for assessment of properties

*In compliance with the Regulation 305/2011/EU of the European Parliament and of the Council of 9 March 2011 (the Construction Products Regulation or CPR), laying down harmonized conditions for the marketing of construction products and repealing Council Directive 89/106/EHS*

**No. 1390-CPR-0440/15/P**

Job No.: 1542/OS712-TL.46

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*Light transmitting flat multiwall polycarbonate (PC) sheets acc.to EN 16 153:2013*

Type : **PC POLYCARBONATE SHEETS**  
*(4 types, see chapter 1.2 of this report)*

Use : in internal and external wall and ceiling finishes and in roof coverings

*Centrum stavebního inženýrství a.s. Praha as a Notified Body No. 1390 performed acc. to CPR, Annex V. (System 3) assessment of properties of the product above. This report can be used as a basis for the declaration of performance in accordance with the requirements of the harmonized standard EN 16 153:2013*

Producer : POLİNET İNŞAAT VE TEKSTİL SANAYİ DIŞ TİCARET  
LİMİTED ŞİRKETİ  
S.S. İSTANBUL MERMERCİLER KÜÇÜK SANAYİ SİTESİ YAPI KOOP  
5.CAD, No.20 41480 KÖSELERKÖYÜ-DİLOVASI/KOCAELI TÜRKİYE

Manufacturing plant : S.S. İSTANBUL MERMERCİLER KÜÇÜK SANAYİ  
SİTESİ YAPI KOOP  
5.CAD, No.20 41480  
KÖSELERKÖYÜ-DİLOVASI/KOCAELI TÜRKİYE

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Report date : Prague, 30. 06. 2015



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## 1.0 Specification of the subject of tests

### 1.1 Specification of product

Light transmitting flat multiwall polycarbonat (PC) sheets

**Producer** : POLİNET İNŞAAT VE TEKSTİL SANAYİ DIŞ TİCARET  
LİMİTED ŞİRKETİ  
S.S. İSTANBUL MERMERCİLER KÜÇÜK SANAYİ SİTESİ YAPI KOOP  
5.CAD, No.20 41480 KÖSELERKÖYÜ-DİLOVASI/KOCAELİ TÜRKİYE

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KÖSELERKÖYÜ-DİLOVASI/KOCAELİ TÜRKİYE

### 1.2 Products description and intended use

Following products were subjected to testing :

Product Name	Wall number	Thickness (mm)	Mass per area g/m <sup>2</sup>		Colour
EasyLux MasterLux ThermoLux	6	30	3300	B, s1, d0	transparent opal
		40	3800	B, s2, d0	
MegaLux	5	10	2200		transparent grey, blue, bronze, opal, gold, cupper
		12	2400		
		16	2800		
		20	3100		
<b>Density</b>	1200 kg/m <sup>3</sup>				
<b>Width</b>	<b>mm</b>				
MegaLux	600				
EasyLux	890-1150				
MasterLux	890-1150				
ThermoLux	900-1200				

**Intended use :** PC POLYCARBONATE SHEETS are used in internal and external wall and ceiling finishes, and in roof coverings.

### 1.3 Technical specification

EN 16 153:2013 Light transmitting flat multiwall polycarbonate (PC) sheets for internal and external use in roofs, walls and ceilings.  
Requirements and test methods.



## 1.4 Testing termination date

04. 03. 2015; 28.05. 2015

## 2.0 Sampling

Sampling date : 25. 02. 2015; 18. 03. 2015

Place of sampling : POLİNET İNŞAAT VE TEKSTİL SANAYİ DIŞ TİCARET LİMİTED ŞİRKETİ  
S.S. İSTANBUL MERMERCİLER KÜÇÜK SANAYİ SİTESİ  
YAPI KOOP 5.CAD  
No.20 41480 KÖSELERKÖYÜ-DİLOVASI/KOCAELİ  
TÜRKİYE

Performed by : employee of POLİNET İNŞAAT VE TEKSTİL SANAYİ DIŞ TİCARET LİMİTED ŞİRKETİ

Sampling method : according to applicable testing standards

Registration numbers of samples : see particular test reports

Testing for assessment of product properties was carried out by

- **ERA LABORATUVARLARI A.Ş.**  
TOSB TAYSAD Org. San. Bölğ. 1. Cd. 15.  
Yol No:1 Şekerpinar-Çayırova  
Kocaeli / TURKEY  
ERA Fire Test Laboratory, Accredited Body No: AB-0330-T (TÜRKAK)
- **TEBAR Test Belgelendirme Araştırma Ve Geliştirme Tic.A.Ş.**  
Şerifali Çiftliği Hendem cad. No: 58 Kat:1 Yukaridudullu Ümraniye  
34775 İSTANBUL / TURKEY  
Testing Laboratory, Accredited Body No: AB-0302-T (TÜRKAK)

The results of performed test are contained in the following classification and test reports:

Accredited Body No.: AB-0330-T

Classification report No.:	Test report number	Date
ERA-15-053	FTST15242; FTST15243; FTST15244; FTST15246; FTST15247; FTST15248; FTST15250; FTST15251; FTST15252;	28.05.2015
ERA-15-054	FTST15254; FTST15255; FTST15256;	

Accredited Body No.: AB-0302-T

Classification report No.:	Test report number	Date
SR 15-07	R1500037	04.03.2015
SR 15-06	R1500036	

### 3.0 Results of testing for assessment of product properties

Information about measurement methods and their accuracy is contained in the individual test reports indicated in the previous chapter.

#### 3.1 Determination of reaction to fire class

##### 3.1.1 Products:

EasyLux, MasterLux, ThermoLux      d = 30mm  
 MegaLux      d = ≥10; ≤ 20mm

Classification acc. to EN 13 501-1:2007+A1:2009, Testing acc. to TS EN 13 823; TS EN ISO 11 925-2

#### Reaction to fire classification: B-s1,d0

Colours: transparent, grey, blue, bronze, opal, gold, copper

The boards were mounted according to the clause 5.8.3.3 a of TS EN 16 153. Test sample were fixed to give a max air gap between frame and backing board.

##### 3.1.2 Products:

EasyLux, MasterLux, ThermoLux      d = 40mm

Classification acc. to EN 13 501-1:2007+A1:2009, Testing acc. to TS EN 13 823; TS EN ISO 11 925-2

#### Reaction to fire classification: B-s2,d0

Colours: transparent, opal

The boards were mounted according to the clause 5.8.3.3 a of TS EN 16 153. Test sample were fixed to give a max air gap between frame and backing board.

### ***3.2 Classification using data from external fire exposure to roofs tests***

Classification acc. to EN 13 501-5:2009+A1:2009, Testing acc. to ENV 1187:2002

#### **External fire performance classification B<sub>ROOF</sub> (t2)**

This classification is valid for the product types given in the chapter 1.2 of this report

Colours: transparent, grey, blue, bronze, opal, gold, copper