

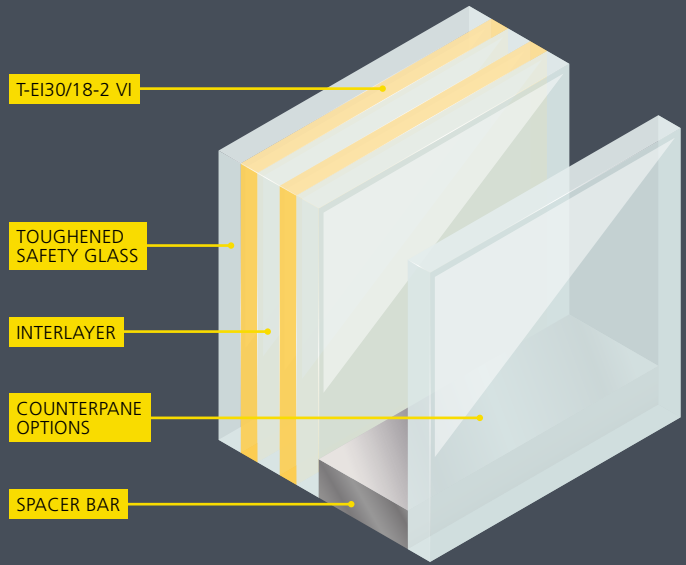
# Pyroguard Protect

- T-EI30/18-2 VI
- T-EI30/21-2 VI
- T-EI30/24-2 VI
- T-EI30/18-2 TVI
- T-EI30/21-2 TVI
- T-EI30/24-2 TVI

EN1279-5+A2 INSULATING GLASS UNITS  
EN14449 LAMINATED SAFETY GLASS



**Classification: EI**  
The highest level of protection from flames, smoke and heat.



Fire resistance  
EI30



Toughened  
glass



Light  
weight



Good sound  
reduction



Impact resistance  
1B1



Excellent light  
transmission



Great  
U-value



Temp range  
-10°C/+45°C



Attack resistance  
P1A

CHARACTERISTICS	T-EI30/18-2 VI 16mm SPACER 4mm LOW E COUNTERPANE**	T-EI30/21-2 VI 16mm SPACER 6mm LOW E COUNTERPANE**	T-EI30/24-2 VI 16mm SPACER 6mm LOW E COUNTERPANE**	T-EI30/18-2 TVI 12mm SPACER 4mm LOW E COUNTERPANE**	T-EI30/21-2 TVI 14mm SPACER 6mm LOW E COUNTERPANE**	T-EI30/24-2 TVI 16mm SPACER 6mm LOW E COUNTERPANE**
FIRE RESISTANCE (EN 13501-2)	EI30	EI30	EI30	EI30	EI30	EI30
GLASS PRODUCTION SIZE MIN - MAX (mm)	300 x 400 1500 x 3000	300 x 400 1800 x 3500	300 x 400 2400 x 4000	300 x 400 1500 x 3000	300 x 400 1800 x 3500	300 x 400 2400 x 4000
THICKNESS AND TOLERANCE (mm)	38 (-2/+3)	43 (-2/+3)	46 (-2/+3)	50 (-2.5/+3.5)	61 (-2.5/+3.5)	68 (-2.5/+3.5)
WEIGHT (kg/m <sup>2</sup> )	49	61	69	59	76	84
R <sub>w</sub> (C;Ctr) SOUND REDUCTION (EN 140-3)	40 (-2;-6)	43 (-3;-7)	43 (-2;-6)	41 (-2;-7)	44 (-3;-8)	44 (-2;-7)
T <sub>v</sub> LIGHT TRANSMISSION (EN 410) (%)	68	68	67	57	57	56
U <sub>g</sub> VALUE (EN 673) W/m <sup>2</sup> K	1.0	1.0	1.0	0.7	0.6	0.5
g VALUE (EN 410)	0.46	0.47	0.46	0.37	0.37	0.37
TEMPERATURE RANGE (°C)	-10/+45	-10/+45	-10/+45	-10/+45	-10/+45	-10/+45
ATTACK RESISTANCE (EN 356)*	P1A	-	-	P1A	-	-
IMPACT RESISTANCE (EN 12600)*	1B1	1B1	1B1	1B1	1B1	1B1
UV STABILITY (EN ISO 12543-4)	✓	✓	✓	✓	✓	✓
CE CERTIFICATE OF CONFORMITY	1812-CPR-1963	1812-CPR-1963	1812-CPR-1963	1812-CPR-1963	1812-CPR-1963	1812-CPR-1963

\*impact and attack resistance of counterpane not reported

\*\*VI example construction. Data calculated using WINSULT (90% Ar; Guardian 1.0 Low E counterpane)