Technology Fact Sheet

Technology Name	**Energy protective glasses and pellicles**[i] Солнцезащитная пленка. http://etalon-dnepr.com/sun.html
Subsector GHG emission (megatons CO2-eq)	GHG emissions in the buildi□gs sector in 2009 account□d for 2825 Gg, of which 75% (2120 Gg) - from residential buildings.
Background/Notes, Short description of the technology option	Energy protective glasses and pellicles installed on windows reduce heat losses in winter by 20-60% and the heat input during the operation of air conditioning systems by 40 - 80%.
Implementation assumptions. How the technology will be implemented and diffused across the subsector? Explain if the technology could have some improvements in the country environment.	Can be used on large windows in rooms with of different destination. Taking into account that these account for 10% of the surface of tertiary buildings windows, the total area is 192 000 m^2.
Implementation barriers	- High cost of the protective pellicles and glasses. - So far insufficient knowledge of the effect.
Reduction in GHG emissions (megatons CO2-eq)	Reduction of 0.053 mln.t CO_2 in between 2010 – 2030.
Impact Statements - Impact of this option on the country's development priorities	
Country social development priorities	Improves indoor comfort. Reduce consumers spending.
Country economic development priorities – economic benefits	By 2030 reduce fuel consumption by more than 182 thousand tone coal equivalent (t.c.e) per year
Country environmental development priorities	Reduce harmful emissions
Other considerations and priorities such as market potential	
Costs	
Capital costs	Total investments of 3.95 mil.USD
Operational and Maintenance costs	-
Cost of GHG reduction	The specific cost of reductions will be 74 USD/t
Lifetime.	Lifetime – 15 years
Other	-

[i] This fact sheet has been extracted from TNA Report - Technology Needs Assessment for climate change mitigation - Republic of Moldova. You can access the complete report from the TNA project website **http://tech-action.org/**