

Standard Table: requirement related to energy performance

Name/Acronym		Corresponding Name in D3.1	Description	Reference	Type of data	Unit	Reference to other sheets
Requirement_Related_To_Energy_Performance		-	minimum level of energy performance that is to be achieved to obtain a right or an advantage: e.g. right to build, lower interest rate, quality label	EN 15217*	-	-	-
is	Overall_Energy_Performance_Requirement	<i>overall energy performance requirement</i> [new]	a limit value of the overall energy performance indicator	EN 15217*	real	J Wh kWh/m ² ō .	-
is	Primary_Energy_Requirement	<i>primary energy requirement</i> [new]	limit value of the energy that has not been subjected to any conversion or transformation process	EN 15217*	real	J Wh kWh/m ² ō .	-
has	Energy_Service	<i>energy services</i>	related to the services provided by the technical building systems and by appliances to provide the indoor climate condition, illumination and other services related to the use of the building	UNI TR 16344* EN 15603*	string	-	"energy_quantities"
is	Specific_Energy_Performance_Requirement	<i>specific energy performance requirement</i> [new]	a limit value of a specific energy performance requirement	EN 15217*	real	J Wh kWh/m ² ō .	-
is	Requirement_Related_To_Building_Services	-	a limit value of a specific energy performance requirement related to building and services	-	-	-	-
is	Delivered_Energy_Requirement	<i>delivered energy requirement</i> [new]	limit value of the energy, expressed per energy carrier, supplied to the technical building system through the system boundary, to satisfy the uses taken into account (heating, cooling, ventilation, domestic hot water, lighting, appliances etc.) or to produce electricity	EN 15217*	real	J Wh kWh/m ² ō .	-
is	Energy_Need_Requirement	<i>energy need requirement</i> [new]	limit value of the heat to be delivered to or extracted from a conditioned space to maintain the intended temperature conditions during a given period of time or limit value of the heat to be delivered to the needed amount of domestic hot water to raise its temperature from the cold network temperature to the prefixed delivery temperature at the delivery point	ISO TR 16344* EN 15603*	real	J Wh kWh/m ² ō .	-
is	Technical_Building_System_Average_Efficiency_Requirement	<i>technical building system average efficiency requirement</i> [new]	limit value of the average efficiency of the technical equipment for heating, cooling, ventilation, domestic hot water, lighting and electricity production	EN 15217* EN 15316-1*	real	-	-
has	Energy_Service	<i>energy services</i>	related to the services provided by the technical building systems and by appliances to provide the indoor climate condition, illumination and other services related to the use of the building	UNI TR 16344* EN 15603*	string	-	"energy_quantities"
is	Requirement_Related_To_Building_Envelope	-	limit value of a specific energy performance requirement related to characteristics of the building itself considered as a whole, or to characteristics of the building envelope components	EN 15217*	-	-	-
is	Building_Envelope_Heat_Transfer_Coefficient_Requirement	<i>building envelope heat transfer coefficient requirement</i> [new]	limit value of the heat transfer coefficient of the building envelope	EN 15217*	real	W/K	-
is	Wall_U-value_Requirement	<i>wall U-value requirement</i> [new]	limit value of the thermal transmittance of the wall	-	real	W/(m ² K)	-
is	Window_U-value_Requirement	<i>window U-value requirement</i> [new]	limit value of the thermal transmittance of the window	-	real	W/(m ² K)	-
is	Window_Glass_U-value_Requirement	<i>window glass U-value requirement</i> [new]	limit value of the thermal transmittance of the window glass	-	real	W/(m ² K)	-
is	Window_Glass_g-value_Requirement	<i>window glass g-value requirement</i> [new]	limit value of the total solar energy transmittance coefficient of the window glass	-	real	-	-
is	Roof_U-value_Requirement	<i>roof U-value requirement</i> [new]	limit value of the thermal transmittance of the roof	-	real	W/(m ² K)	-
is	Skylight_U-value_Requirement	<i>skylight U-value requirement</i> [new]	limit value of the thermal transmittance of the skylight	-	real	W/(m ² K)	-
is	Skylight_Glass_U-value_Requirement	<i>skylight glass U-value requirement</i> [new]	limit value of the thermal transmittance of the skylight glass	-	real	W/(m ² K)	-

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	<i>is</i>	Skylight_Glass_g-value_Requirement	<i>skylight glass g-value requirement</i> [new]	limit value of the total solar energy transmittance coefficient of the skylight glass	-	real	-	
	<i>is</i>	Ceiling_U-value_Requirement	<i>ceiling U-value requirement</i> [new]	limit value of the thermal transmittance of the ceiling	-	real	W/(m ² K)	
	<i>is</i>	Bottom_Floor_U-value_Requirement	<i>bottom floor U-value requirement</i> [new]	limit value of the thermal transmittance of the bottom floor	-	real	W/(m ² K)	
	<i>is</i>	Requirement_Related_To_Technical_Building_System	-	limit value of a specific energy performance requirement related to characteristics of the technical building systems considered as a whole, or to characteristics of the technical building systems components	-	-	-	
	<i>is</i>	Technical_Building_System_Efficiency_Requirement	<i>technical building system efficiency requirement</i> [new]	limit value of the global efficiency of the technical equipment for heating, cooling, ventilation, domestic hot water, lighting and electricity production	EN 15217* EN 15316-1*	real	-	
	<i>is</i>	Energy_Generator_Efficiency_Requirement	<i>energy generator efficiency requirement</i> [new]	limit value of the efficiency of the energy generator	-	real	-	
	<i>has</i>	Energy_Service	<i>energy services</i>	related to the services provided by the technical building systems and by appliances to provide the indoor climate condition, illumination and other services related to the use of the building	UNI TR 16344* EN 15603*	string	-	"energy_quantities"
<i>has</i>		Neutralising_Parameter	-	parameter whose impact on the requirement should be modified (e.g. reduced, neutralised, corrected or normalised)	EN 15217*	-	-	-
	<i>is</i>	Heating_Degree_Days	<i>heating degree days</i> [new]	the summation, extended to the entire heating season, of the difference between a reference internal temperature (taking into account the internal and the solar heat gains) and a mean daily outside temperature	-	real	-	"local_climate"
	<i>is</i>	Shape_Factor	<i>shape factor</i>	ratio between the thermal envelope area and the conditioned floor area	EN 15217	real	-	"cs_geometry"
	<i>is</i>	Building_Use	<i>building use</i>	use of the building	-	string	-	"b_use"
	<i>is</i>	Energy_Carrier	<i>energy carrier</i>	substance or phenomenon that can be used to produce mechanical work or heat or to operate chemical or physical processes	ISO TR 16344 ISO 13600	string	-	"energy_quantities"
	<i>is</i>	Energy_Source	<i>energy source</i>	source from which useful energy can be extracted or recovered either directly or by means of a conversion or transformation process	ISO TR 16344	string	-	"energy_quantities"