

OTTV of Resident's Recreational Facilities Summary Sheet

Address :		URA Kwun Tong Town Centre Redevelopment (Area 2&3) at NKIL 6514, Kwun Tong, Kowloon			BD Ref. No. 2/4023/12(Pt II)	
Building Type / Use:		Resident's Recreational Facilities				
OTTV calculated by		<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical)				
		<input type="checkbox"/> 2. Architect				
		<input type="checkbox"/> 3. Others, please specify :				
Classification		<input checked="" type="checkbox"/> Podium / <input type="checkbox"/> Tower				
No. of Storeys (RRF)		1				
Gross Floor Area		2662.452 m ²				
Usable Floor Area		1231.095 m ²				
Total External Wall Area (including windows)		729.71 m ²			Window to Wall Ratio	
Total Window Area		201.68 m ²			= 1 : 3.62	
Total Skylight Area		0 m ²				
*Weighted Average U-value	Opaque Wall	3.12 W/m ²				
	Window	5.48 W/m ²				
	Opaque Roof	1.51 W/m ²				
	Skylight	0 W/m ²				
Window	Glass Type	<input checked="" type="checkbox"/> Tinted	Area = 62.26m ²	SC = 1.00	VLT = 89%	ER=8%
		<input checked="" type="checkbox"/> Tinted	Area = 18.66m ²	SC = 0.94	VLT =88%	ER=8%
		<input checked="" type="checkbox"/> Tinted	Area = 57.79 m ²	SC = 1.04	VLT =91	ER=8%
		<input checked="" type="checkbox"/> Tinted	Area = 62.97 m ²	SC = 1.01	VLT =89%	ER=8%
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
	External Shading	Overhang <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area = m ²	SC =	VLT = %	ER= %
		<input type="checkbox"/> Tinted	Area = m ²	SC =	VLT = %	ER= %
		<input type="checkbox"/> Clear	Area = m ²	SC =	VLT = %	ER= %
	Doubling Glazing	<input type="checkbox"/> Yes <input type="checkbox"/> No				
	External Shading	<input type="checkbox"/> Yes <input type="checkbox"/> No				
**Weighted Average Absorptivity	Wall	0.79				
	Roof	0.91				
**Weighted Average Density	Wall	1133.03 kg/m ²				
	Roof	708.09 kg/m ²				
OTTV _{RRF}	Wall	47.73 W/m ²				
	Roof	10.88 W/m ²				
	Overall average	43.16 W/m ²				

ER = External Reflectance; SC = Shading coefficient & VLT = Visible Light Transmittance

**Weighted by area

Notes :

1. Please tick in the box as appropriate
2. Window and skylight data should represent the major proportion of its use in the development.

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OTTV calculated by		<input checked="" type="checkbox"/> 1. Registered Professional Engineers (Building Services/Mechanical)					
		<input type="checkbox"/> 2. Architect					
		<input type="checkbox"/> 3. Others, please specify :					
Classification		<input type="checkbox"/> Podium / <input checked="" type="checkbox"/> Tower					
No. of Storeys (RRF)		1					
Gross Floor Area		1079.15 m ²					
Usable Floor Area		103.535 m ²					
Total External Wall Area (including windows)		510.11 m ²		Window to Wall Ratio			
Total Window Area		201.38 m ²		= 1 : 2.53			
Total Skylight Area		0 m ²					
*Weighted Average U-value	Opaque Wall	3.60 W/m ²					
	Window	5.63 W/m ²					
	Opaque Roof	1.09 W/m ²					
	Skylight	0 W/m ²					
Window	Glass Type	<input type="checkbox"/> Reflective	Area = m ²	SC =	VLT = %	ER = %	
		<input checked="" type="checkbox"/> Tinted	Area = 158.09 m ²	SC = 0.99	VLT = 89 %	ER = 8 %	
		<input checked="" type="checkbox"/> Clear	Area = 43.29 m ²	SC = 0.95	VLT = 88 %	ER = 8 %	
	Double Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	External Shading	Overhang <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sidefin <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
Skylight	Glass Type	<input type="checkbox"/> Reflective	Area = m ²	SC =	VLT = %	ER = %	
		<input type="checkbox"/> Tinted	Area = m ²	SC =	VLT = %	ER = %	
		<input type="checkbox"/> Clear	Area = m ²	SC =	VLT = %	ER = %	
	Doubling Glazing	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
	External Shading	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
**Weighted Average Absorptivity	Wall	0.81					
	Roof	0.91					
**Weighted Average Density	Wall	601.16 kg/m ²					
	Roof	708.42 kg/m ²					
OTTV _{RRF}	Wall	43.73 W/m ²					
	Roof	9.51 W/m ²					
	Overall average	18.70 W/m ²					

ER = External Reflectance; SC = Shading coefficient & VLT = Visible Light Transmittance

**Weighted by area

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