

## GREEN ROOF CASE STUDY

### General Project Information

<b>Name of Project:</b>	White Rock Operation Building
<b>Street :</b>	877 Keil Street
<b>General location:</b>	White Rock
<b>City:</b>	White Rock
<b>State/Province:</b>	BC
<b>Country:</b>	Canada
<b>Developer/Client:</b>	City of White Rock
<b>Completion date:</b>	2002

### Project Description

<b>Most significant project driver:</b>	Municipality - LEED Gold. Long term owner (City of White Rock) benefits from life cycle of a green roof.
<b>Additional project driver:</b>	Stormwater run-off management.
<b>Design intent:</b>	Low maintenance.
<b>Project certifications /awards:</b>	LEED Gold Certified
<b>Unique site features /challenges:</b>	
<b>Building height</b>	Low Rise
<b>Construction type application</b>	New Construction
<b>Green roof type:</b>	Extensive
<b>Greenroof test/research facility:</b>	No
<b>Roof size (m<sup>2</sup>):</b>	320 sqft
<b>Roof slope (%):</b>	2
<b>Roof accessibility?</b>	No
<b>Public access?</b>	No

### Green Roof Specifics

<b>Build-up of roof (materials)</b>	
<b>System or Products?</b>	Soprema 2Ply SBS Modified Bitumen
<b>Greenroof system:</b>	Custom
<b>Waterproof membrane:</b>	Sopralene Flam Jardin
<b>Insulation:</b>	
<b>Protection layer:</b>	
<b>Drainage layer:</b>	Sopradrain PSE
<b>Filter cloth:</b>	Soprafiltre
<b>Growing medium:</b>	?
<b>Growing medium depth:</b>	5" to 11"
<b>Other materials:</b>	
<b>Type of plant species:</b>	
<b># of plant species:</b>	1 to 5
<b>Supported habitat:</b>	
<b>Maintenance required:</b>	
<b>Maintenance schedule:</b>	
<b>Maintenance cost annual:</b>	
<b>Who maintains the roof?</b>	

### Designer/Contractor Information

<b>Architect</b>	
<b>Name:</b>	
<b>Title:</b>	
<b>Company:</b>	Busby Perkins + Will
<b>Role:</b>	
<b>Landscape Designer</b>	
<b>Name:</b>	
<b>Title:</b>	
<b>Company:</b>	City of White Rock, Parks Dept
<b>Role:</b>	
<b>Engineer</b>	
<b>Name:</b>	
<b>Title:</b>	
<b>Company:</b>	Fast & Epp
<b>Role:</b>	
<b>General contractor</b>	
<b>Name:</b>	
<b>Title:</b>	
<b>Company:</b>	KDS Construction
<b>Role:</b>	
<b>Roofing subtrade</b>	
<b>Name:</b>	
<b>Title:</b>	
<b>Company:</b>	Bollman Roofing
<b>Role:</b>	

### Additional Resources:

<b>Websites /newslinks/articles etc...</b>	
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### Submitted By:

<b>Name:</b>	Blair Bennett
<b>Title:</b>	Technical Representative
<b>Company name:</b>	Soprema Inc
<b>Address:</b>	#201 - 1511 Derwent Way
<b>City</b>	Delta
<b>Province/State</b>	BC
<b>Postal code/Zip code</b>	V3M 6N4
<b>Country</b>	Canada
<b>Telephone</b>	(604) 522-3944
<b>Email</b>	<a href="mailto:bbennett@soprema.ca">bbennett@soprema.ca</a>