

**Materials schedule : Project: 1662 Newent Eco Lab**

**QUATTRO DESIGN LTD.**

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Schedule No:1662/W/303

Rev: E

Date: June 2006

Product	Supplier	Brand	Recycled Content	Comments	NBS reference
<b>Foundations:</b>					
Blockwork foundations					F10
Ready mixed Concrete	Hanson Aggregates	Premix	8-10%	Estimated recycled content dependant on local available recycled waste.	E10
<b>Floor slab:</b>					
Ready mixed Concrete	Hanson Aggregates	Premix	8-10%	Estimated recycled content dependant on local available recycled waste. Profiled steel permanent shuttering suspended floor slab (Omitted - beam and block suspended floor).	E10
EcoMembrane	Visqueen	DPM	100% post-use polyethylene waste		J40
Insulation	Kingspan	Kooltherm K3	0%	CFC/HCFC - free with zero Ozone Depletion Potential, Pembridge	M10
Screed					M10
<b>Walls:</b>					
Plasterboard	Sasmox	12mm Sasmox	83% recycled gypsum 15% waste wood fibres 2% water	Heavy sheets- manual handling/ fixing issues	K10
Timber battens			FSC certified	Boron timber treatment Brush applied, no tank treatment available locally	H21
Vapour barrier	Visqueen	500 guage	100% post-use polyethylene waste		H21
Wall studs	Finjoist/TJI's		FSC certified		G20
Warmcel Ins.	Excel Industries ltd	Warmcell 500	100% waste newspaper 100% recyclability		P11
Panelvent with Tyvek Housewrap	Dupont	Tyvek Housewrap			H21

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Cedar boards	Charlton Abbots	Square edge	100% FSC timber	Tewkesbury	H21
Render board	Sto	Sto Verotec			M20
Render	Sto	Acrylic render			M20
Windows	Ecoplus system Green Store	Ecoplus system windows	100% FSC wood -laminated	West Yorkshire/ Czechoslovakia	L10
Window boards	Contractors choice	MDF	100% FSC Timber	Local supplier Formaldehyde Free	P20
Internal doors	Contractors choice	Ash Veneer		Local supplier	L20
External door and above screen	Alfram			Local supplier	L20
Ironmongery	Westlands	Hewi		Local supplier	P21
Security Grill		Top hung with floor track, lockable		Local supplier	L20
<b>Roof:</b>					
Rain water goods	Lindab	LindabRainline	20% recycled scrap metals	Estimated, dependant on available (approximate percentage). Durable minimal maintenance. Swedish manufacture, Greenshop supplier	R10
Suspended ceiling					K40
Acoustic tiles					
Roof Joists	Finjoist/TJI's		FSC certified	As wall studs	G20
Insulation	Kingspan	Koolherm K7	0%	CFC/HCFC - free with zero Ozone Depletion Potential, Pembridge 130mm	Q37
	Second Nature Ltd	Thermafleece	Sheeps wool	275mm required. <b>Our preferred product too costly</b>	
	Rockwool	Rockwool Flexy		300mm required	
Ply deck					K11
Waterproof Membrane	Alwitra	Evalastic V	100% Rubber (EPDM)	No plasticiser content (Plasticisers pollute ground water)	J42
Biodrain	Greenfix	Greenfix biodrain		Based in Cheltenham	Q37

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Filter fleece	Greenfix	Greenfix filter fleece	100% virgin polypropylene stable fibres	Based in Cheltenham	Q37
Sedum compost	Greenfix	Greenfix sedum compost	100% recycled expanded shale aggregate	Based in Cheltenham	Q37
Sedum blanket	Greenfix	Greenfix Sedum blanket	Contains natural fibres	Based in Cheltenham	Q30
Flue block systems				N/A	
Flue lining systems				N/A	
Flue pipes	TCS LTD	TCS 1000 SM	N/A	Wigan	

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Internals:					
Work benching	School		100%	Reclaimed furniture worktops to be refurbished locally	
	Osmo Uk	POLYX-OIL Hardwax Oil	Natural oil base		M60
Laboratory sinks	Armitage Shanks				N10
Fume cupboards	TCS LTD	TCS 1000 SM	N/A	Wigan	
Kitchen units					N10
Belfast sink	Armitage Shanks	Belfast Traditional			N13
Skirtings, Architraves, Doorstops	Contractors Choice	Softwood	100% FSC timber	Local supplier	P20
Pinboarding	Sundeala	FRB Board	Approx. 70% recycled paper	Dursley, Gloucester	P20
Internal Threshold	Contractors Choice	Hardwood	100% FSC timber	Local supplier	P20
Pigeon hole system	Contractors Choice			Omitted	N10
Finishes:					
Carpet tiles	Interface	Transformation	Recycled content		M50
Barrier matting	Interface	Foyer	Off set emissions		M50
Non slip vinyl	Altro	Maxis supema		Easy clean, no carburundum	M50
Paint	Green Shop	Green Paints	Low odour	Lincolnshire	M60
Gloss paint	Green Shop	Green Paints Gloss	Low odour	Lincolnshire	
Roller binds	Levolux	Roller Blind system		Gloucester	N10
Ceramic Tiles	Pilkington	Matrix Plain Colour			M40
Externals:					
Hand rails	Kee Klamp	Keenect	Galvanised steel		L30

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Timber deck	HLD Timber Engineering	HLD Antislip Plus & Castellated softwood decking	100% FSC timber	Tecking decking with resin based aggregate inserts.	Q50
Upright posts	C U Phosco Ltd	Lighting column/ Base hinged	Galvanised steel	Cinderford	Q50

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<p><b>GENERAL NOTES:</b>          Please could all notes be added in the following colours. Please return to quattro before formal Issue          Contractor Blue          QS Red          Structural Eng. Green            M&amp;E Orange</p>	<p>A: 28.06.06 Change in format          B: 21.07.06 Products added          C: 08.08.06 Minor amendments            D: 29.09.06 Structural alterations to floor &amp; Minor amendments          E: 15.06.07 Amendments for as built record          F: 17.10.07 Additional information</p>
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Other materials	Pros	Cons	Reason why not being used	Alternative
Solar thermal Panels	Natural resource	Load in winter too great for supply Huge thermal store would be needed	Very low hw demand, building empty at peak production times	Point of use water heater
Convection heaters	Instant heat, less heat loss.	Uneven temperature in room, large units,	Children don't like them wont sit near them.	Underfloor heating
Interface corn based carpet	Made from corn starch, recycled content, free to a good home! Interface will recycle it after its lifetime.	Not yet EU standard as new material		Used in link corridor - small area
Recycled aggregate	Recycled content.	Sourcing recycled aggregates, Quality	Hard to source and quality not guaranteed.	Normal concrete, ready mix locally available

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