

## RAG 1: Design for durability and flexibility (Multi use reduces initial CO2 footprint)

Category	<b>Red</b> (Should not be considered)	<b>Amber</b> (Will need to get agreement to use it from the museum)	<b>Green</b> (Is acceptable to be used )
Structural	Steel (Single-use)	Steel (Welded or complex to disassemble and reuse)	Steel (Built for reuse with high recycled content)
	MDF (Not formaldehyde free)	MDF (Formaldehyde free), Chipboard	Structural ply (FSC)
	Aluminium (Single-use)		Aluminium (Built for reuse)
	Timber (Non FSC certified) including Oak or any hardwood (Single-use)		Timber (FSC certified or reused)
	Softwood board/panels (Non-FSC)	Plasterboard	OSB (Oriented strand board) plates
	Fired bricks with mortar		Fired bricks (No mortar), Calcium Silicate Blocks (No mortar)
	Adhesive (Permanent bonding)	Screws (Single-use temporary bonding)	Bolts, screws (Recoverable), reusable fixing systems
Non-structural	Perspex/Acrylic with no recycled content	Recycled Perspex like Greencast	Glass, Rescued and reused Perspex/ Acrylic
	Acoustic panels (Non FSC and single-use)		Acoustic panels like Rockfon Koral (For re-use)
	PVC (Vinyl)	PVC Free Matt Vinyl	
Finishes	Paint (High VOC)		Paint (Low VOC or water-based)

Identified reused materials or objects (Structural or non-structural) from the museum are acceptable. See procurement list of available elements and preferred recycled materials suppliers. Reusable materials and objects from other sources must be approved by the museum. All materials must have an end of life plan approved by the museum.

## RAG 2: Biobased material design (Material recovery/reuse strategy dominant)

Category	<b>Red</b> (Should not be considered)	<b>Amber</b> (Will need to get agreement to use it from the museum)	<b>Green</b> (Is acceptable to be used )
Structural	Fired bricks (Single-use with mortar)	Fired bricks (Reuse without mortar), Calcium silicate blocks	Unfired bricks (e.g. earth & straw), rammed earth wall sections
	Timber (non-FSC)	Timber (FSC)	Timber (reused)
	Aluminium (Single-use)	Aluminium (Reused)	Timber (Reused)
	Plasterboard	OSB board, Plywood (Reused)	Clay (Unfired)
	Adhesive (Permanent bonding)	Screws (Single-use temporary bonding)	Timber joinery connections (mortice & tenon)
Non-structural	Acoustic Panels	Wood wool	Chalk Hemp
	Textile (Multi-material, non recycled)	Textile (Recycled)	Textile (Organic minimum dye)
	Perspex/acrylic	perspex/acrylic (Reused)	glass (Clear or green recycled)
	PVC (Vinyl)	Wallpaper, print (Direct to media)	Single colour print, Paper and Card (Post Consumer recycled and FSC)
Finishes	Paint (Mineral based VOC)	Paint (Vegetable based non VOC)	Paint (Water-based or clay based)

Identified reused materials or objects (Structural or non-structural) from the museum are acceptable. Reusable materials and objects from other sources must be approved by the museum. All materials must have an end of life plan approved by the museum.

### RAG 3: Recycled material design (Structure recovery/reuse strategy dominant)

Category	Red (Should not be considered)	Amber (Will need to get agreement to use it from the museum)	Green (Is acceptable to be used )
Structural	Timber (Non FSC)	Timber (FSC)	Timber (Reused), MDF (Reused), Ply (Reused)
	Steel, Aluminium (Single-use, welded)		Steel (Reused, recycled), Aluminium (Reused)
	Adhesive (Permanent bonding)	Screws (Single-use temporary bonding)	Bolts, screws (Recoverable), reusable fixing systems
	Fired bricks (With mortar)		Fired bricks (No mortar), Calcium Silicate blocks
Non-Structural	PVC (Vinyl)	Wallpaper	Cardboard, paint and print direct to wall
	Textiles (Mixed fibre, virgin)	Textiles (Reuse and recyclable)	Textiles (Recycled)
	Composite layered virgin materials, Dibond	Plywood (FSC), OSB (Oriented strand board)	Recovered or recycled Plywood (FSC)
	Perspex/Acrylic (Virgin)	Perspex/Acrylic (Recycled)	Perspex/Acrylic (Reused)
	Paper and Card (Non FSC)	Paper and Card (Virgin but FSC)	Paper and Card (Post Consumer and FSC)
Finishes	Mineral based inks, Spray paint (VOC)	Spray paint (VOC free)	Vegetable-based ink, Water-based inks

Identified reused materials or objects (Structural or non-structural) from the museum are acceptable. See procurement list of available elements and preferred recycled materials suppliers. Reusable materials and objects from other sources must be approved by the museum. All materials must have an end of life plan approved by the museum.

## RAG 4: Design for rugged reuse and transportation (Weight dominant)

<b>Category</b>	<b>Red</b> (Should not be considered)	<b>Amber</b> (Will need to get agreement to use it from the museum)	<b>Green</b> (Is acceptable to be used )
Structural	Steel (Single-use)	JJI Joists	Aluminium (Reusable)
	Clay (Unfired)		
	Bricks, Unfired bricks (e.g. earth & straw), rammed earth wall sections	MDF (Formaldehyde free),	Structural plyboard (FSC)
	Plasterboard	Plywood (FSC)	Cardboard (Post Consumer recycled and FSC)
	Adhesive (Permanent bonding)	Screws (Single-use temporary bonding)	Bolts, screws (Recoverable), reusable fixing systems
Non-structural	PVC (Vinyl)	PVC Free Matt Vinyl	Paper and Card (Post Consumer recycled and FSC), Print gun (Printing direct-to-wall)
	PVC material (Vinyl)	Textiles (Re-use and recyclable)	Textiles (Recycled)
	Paper and Card (Non FSC)	Paper and Card (Virgin but FSC)	Paper and Card (Post Consumer recycled and FSC) updatable sections
Finishes	Mineral based inks	Spray paint (VOC free)	Vegetable-based ink, Water-based inks

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