Sustainability System: **LEED**

Applicable Methodology: USGBC – LEED 2009 (v3)

System: **Revolution 100 Double Glazed**

Description: Frameless glazed partition system (double glazed) comprising multiple modules of laminated or toughened glass installed into extruded aluminium track sections with glass sealed into tracks with PVC gaskets and between panels with Optima Nebula™, Aluminium or PETG dry-joints.

Revolution 100 can contribute towards LEED Credits as follows:

Materials & Resources

Credit 3: Material Re-use Revolution 100 has the potential to enable the planned re-use of 50% of aluminium tracking and glass elements and can be considered re-locatable if configured with deflection heads.

Credit 4: Recycled Content Revolution 100 (DG) components include recycled content as summarised below:

Material	Aluminium (1)	Glass (2)	Plastics (3)	Totals (kg/m)
Mass (kg/m)	8.667	162.000	0.150	170.817
Mass % of Total	5.074	94.838	0.088	
Pre-Consumer (%)	1.500%	0.000%	0.000%	0.076
Pre-Consumer (kg/m)	0.130	0.000	0.000	0.130
Post-Consumer (%)	79.000%	0.000%	0.000%	4.008
Post-Consumer (kg/m)	6.847	0.000	0.000	6.847
Sum of post-consumer + half of pre-consumer recycled content = (%)				4.046

Data sources: 1 SAPA (UK); 2 No reliable glass recycling data available; 3 Polyplas

Values taken for a 2.7 metre high partition over a 3 metre linear run in equal 1 metre modules with a single abutment to represent a typical large multi-cell fit-out. Height presumed at 3 metres for linear sections to account for off-cut wastage.

Aluminium mass/m includes 1/3 of a wall abutment.

Plastics mass/m includes for Nebula glass-to-glass joints.

Credit 5: Regional Materials Aluminium extrusions produced in various UK locations and delivered via Radstock, Bath, UK. Production Radius from UK site = <500 miles

Glass produced in various UK locations and delivered via UK processor to site. Extraction/Production Radius from UK site = <500 miles

Plastic extrusions produced in Stourport, Worcestershire, UK and delivered via Radstock, Bath, UK. Extraction/Production Radius from UK site = <500 miles

Indoor Environmental Quality

Credit 4.1: Low emitting materials: Adhesives & sealants Glazing silicone (where used) – Very Low VOC: 46g/l

Credit 4.2: Low emitting materials: Paints & coatings Powder coat finish to aluminium extruded sections – Zero VOC: 0g/l

Credit 8.2: Daylight & Views Use of fully glazed office fronts using Revolution 100 can provide line of sight to external daylight for areas beyond perimeter cellular offices.

Issued By:

Position: Technical Product Manager

To validate this compliance statement the system installation must be carried out in strict accordance with the details summarised in the Optima Designer's Guide and Installer's Guide.