IMPLEMENTATION

Project teams should identify materials with recycled content in the design phase and include it as part of the specifications. During construction, for the identified materials with recycled content, supporting documentation for recycled content should be sourced from suppliers and collated for DM submissions.

Generally, highest contribution of recycling percentage comes from reinforcing steel or aluminium used for façade or finishes. Other materials that can be considered having recycled content, include but not limited to:

- Cement
- Gypsum Board
- Insulation materials
- Blocks
- Metal doors and frames
- Ceramic tiles
- Glass
- Composite wood products
- Pavers
- Structural steel

Only permanently installed materials should be considered for recycle content calculations. Calculation is based on the estimated cost of recycled content of the material against total material cost of the project. Project teams should obtain substantiating documents for the recycled content percentage in the proposed product from manufacturers.

When a component of the material is recycled, the recycled content shall be determined by its contribution to the weight of the product. The fractional value of the weight is then multiplied by the total estimated cost of the material assembly to determine the Recycled Content Value (RCV). The suppliers or manufacturers of these products must provide a declaration as to the recycled content of their products.

Mechanical, electrical and plumbing plant and components should not be included in the recycled material calculation for this regulation.

The calculation of recycled content value (RCV) is as follows:

Recycled Content Value = Percentage of Recycled Content x Material Cost

Total material cost for the project may be determined as either:

- Total actual cost of all materials for use in the project; or
- 45% of the total construction cost of the project.

The following equation shall be used to calculate the overall percent of recycled content for the project:

$$\text{Percent Recycled Content} = \frac{\text{Total RCV} \times 100}{\text{Total Materials Cost}}$$