This brochure describes EcoBlend™ Type 1 sub-base, a mixture of recycled and primary aggregates, intended for use as a sub-base under flexible or rigid pavements and footpaths.

**Technical Description**

EcoBlend™ Type 1 is a mixture of two products, both compliant to specification prior to blending. The ratio of blend is dependent on the need to produce a product which performs to the requirements of our road building and utility customers. The recycled aggregate used in the mix is produced in accordance with the Quality Protocol published by WRAP.

**Requirement**

EcoBlend™ is tested to the specification for Highways Works, Volume 1 Series 800 Clause 803 Type 1 Unbound Mixtures. Test results are available on request.

**Grading for EcoBlend™ Type 1 Sub-base**

<table>
<thead>
<tr>
<th>Sieve size</th>
<th>% Passing Each Sieve</th>
</tr>
</thead>
<tbody>
<tr>
<td>63mm</td>
<td>100%</td>
</tr>
<tr>
<td>31.5mm</td>
<td>96%</td>
</tr>
<tr>
<td>16mm</td>
<td>74%</td>
</tr>
<tr>
<td>8mm</td>
<td>41%</td>
</tr>
<tr>
<td>4mm</td>
<td>26%</td>
</tr>
<tr>
<td>2mm</td>
<td>17%</td>
</tr>
<tr>
<td>1mm</td>
<td>12%</td>
</tr>
<tr>
<td>0.063mm</td>
<td>3%</td>
</tr>
</tbody>
</table>

**Benefits**

- Can reduce material cost when compared with 100% primary aggregate.
- Offers a sustainable product which uses recycled material.
- Fully compliant to specification.
- Robust product which performs well in a range of applications including trench workings and sports pitches.
- Effective use of waste.

**Design**

EcoBlend™ should be incorporated in a construction design in the same way as primary aggregate. A recommended specification is …..the Type 1 sub-base should comply with SHW Type 1 Clause 803 (Nov 2009), which may include EcoBlend™ Type 1 produced in accordance with the Quality Protocol published by WRAP and available from Day Aggregates (Tel: 0845 0654 655).
Sitework

The use of EcoBlend™ Type 1 does not present any hazards to human health over and above those of more traditional products (COSHH assessments are available on request).

It is important that any ‘Type 1’ product including EcoBlend™ should be laid with a suitable moisture content and compacted in accordance with the Specification for Highways Works.

Delivery to site can be loose or in bags.

Sustainability

The use of EcoBlend™ Type 1 rather than primary (quarried) aggregate will help designers and contractors address issues of sustainability and resource management.

- The raw material for EcoBlend™ contains recycled construction and demolition waste. This reduces the environmental impact of the raw materials used on a project.
- Proximity is applied to the local sourcing of the raw materials recycled content.
- The material is supplied as a product, not a waste.

Current Users of EcoBlend™ Products

- ClancyDocwra
- Smith Construction

Other Products

The other products which are available in the EcoBlend™ range are:

- Sharp Washed Sand
- 0-20mm ballast

Case studies

Please call or download from our website details of recent projects where EcoBlend™ has been used in the construction of footpaths, car parks, hard landscaping or widening of carriageways.
Day Group supplies natural and recycled aggregates to the construction and civil engineering industry.