DURASTONE PORCELAIN TILES
Recycled Content – LEED Material Resources Credit 4.1/4.2

The Durastone Range of Porcelain tiles are manufactured based on the Double Loading process; this process allows the introduction of different colour materials into the bottom layer of the tile without jeopardizing the quality of the exposed finished top layer. This is where the visible colour and pattern on the top surface of the tile, is not required.

The following approximate percentage of waste mass are collected during the process:

- Powder particles – 2% to 5%
- Water purification – 2% to 5%
- Rejected product – 5% to 10%

Due to the different colours of tiles manufactured, the introductions of these recyclable components in high quantity will vary according to the colour manufactured at the time. Any unusable recycled product is stored and introduced again in the process later on.

In general, this will allow an average recyclable content of 15% in volume.

Method of collection –

Powder particle - These are collected throughout the pressing area through an automatic air suction shield system and introduced back into the original powder system.

Water purification - The waste produced during the Crushing, Grinding, Cutting and Rectification manufacturing process is all pumped into a collection tank where by means of a high pressure Mud Press water and mud are separated. This allow not only for the extracted water to be recycled into the main system water line, but also for the mud to be reintroduced into the first stages of the clay process.

Rejected products - any faulty product is fed through a rotary crusher, pulverizing all faulty tiles. These are also fed back into the Main Crusher Drums.

EVERSTONE CERAMIC (SHENZHEN) CO. Ltd.