

Circular Materials Solution

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Why recycling construction waste makes good financial sense.

Doing more with less waste is an operational efficiency strategy that has been embraced by organisations globally for many years. So how can the construction industry take this strategy to the next level and realise greater productivity gains, better manage input and waste materials, while staying on top of costs, in a highly competitive landscape?

The expansion of better waste management practices is rapidly transforming the construction industry. Once seen as a straightforward cost item, waste is now viewed by industry stakeholders as a way to optimise the reduction of costs across the entire construction lifecycle. Not only are companies recognising the environmental benefits of better construction waste management practices through circular strategies, but they are now realising clear financial advantages.

Circular Materials Solution (CMS): An optimised model

Construction and demolition waste that was traditionally sent to landfill can often be recirculated back into the industry as reclaimed, blended, or repurposed sustainable building materials. However, managing this process effectively, so as to minimise costs and maximise the benefit, requires a strategic approach.

Thanks to its industry-leading Circular Materials Solution (CMS), Boral provides a thorough and efficient way to manage and optimise construction waste recycling. CMS goes beyond standard recycling, enabling the acquisition of green credits by introducing better construction waste management practices and reintroducing more sustainable materials into projects.

Through early planning, Boral's experts identify demolition and excavation materials that can be reused or recycled and then manage all usable waste from a site in a seamless process. Boral also identifies recycled and lower carbon construction materials that can potentially be utilised in the construction phase of a client's project, whilst also adhering to the stated material specifications and can deliver these materials as needed during construction.

By designing-out waste during the project planning stage, construction companies can benefit from having sustainable best practices in place, as well as realising several commercial benefits, outlined below:

1. Reduced disposal costs

Traditional waste management practices that involve sending excavation and demolition waste to landfill often attract significant waste disposal fees. Companies can now divert a substantial portion of their construction waste by partnering with Boral to identify and divert waste materials suitable for recycling. This not only results in higher recycling rates and reduced disposal costs but may also attract green credits for a new project along with environmental benefits.



2. Optimised chain of responsibility

By engaging early with a single operator for their construction waste management, developers and construction companies can streamline the CMS process for greater efficiency. Boral's CMS is a seamless solution that manages waste planning, disposal, sorting, recycling, reporting, and (re)supply, so companies can realise significant savings. With this approach, companies can focus on their core activities, not only saving time and effort but also reducing any management or non-compliance risks.

3. Reduced transportation costs

Local recycling options often mean a significant advantage through reduced transportation costs to developers and construction companies. With CMS, companies have access to Boral's extensive network of local recycling centres. These ensure materials are efficiently managed, transported, and sorted off-site, resulting in less trucks on roads, lower fuel consumption, and reduced costs overall.

4. Materials flow visibility

Boral helps companies to accurately track and report on the quantity and type of; a) waste material that has been managed from their project sites, to b) the supply of new construction materials used across their projects, including recycled and lower carbon product options. This end-to-end approach allows for more precise resource management, ordering, and product selection options based on project specifications (including with Boral's recycled and lower carbon product alternatives), thus also reducing the risk of oversupply waste.

With Boral accepting and recirculating any excess materials, clients will minimise the waste sent to landfill, and manage their costs more effectively.

Future benefits from a sustainable model

Construction waste recycling goes beyond taking a responsible approach to sustainability. By planning ahead, stakeholders can look at the entire construction lifecycle and find smarter ways to optimise their costs at every stage. Partnering with Boral for a best practice approach, companies can demonstrate a firm commitment to material circularity through a proven model and position themselves to capitalise on the available opportunities.

Let's go full circle.

To learn more about Circular Materials Solution, visit boral.com.au/CMS



**Building
something
great**