

Approved Alternate Submission



As an alternative to the aggregates specified for your project, Lafarge respectfully submits the alternative of our Aggneo recycled aggregate product.

Aggneo is an end-of-life processing technique that takes concrete and asphalt rubble generated by local construction activities and provides the industry with a high quality, reliable alternative to virgin aggregates. Aggneo diverts used materials away from landfills and preserves natural aggregate reserves by using recycled concrete and asphalt, building on the concept of a circular economy.

Cost Savings

Like for like, Aggneo provides a **30%** cost savings per tonne versus virgin aggregates.

Equal Performance

Consistency of the final Aggneo product is ensured through careful control of inbound material. Lafarge implements a tightly defined quality control process that ensures a high frequency of rigorous testing from sourcing to delivery.

Performance Metrics

Specified Property	Specified Limits
California Bearing Ratio	Minimum 30
% Fracture Count - Coarse Aggregate	Minimum 60
% Total Asphalt Content	Maximum 3.5
% Asphalt-Coated Particles	Maximum 60
% Loss in LA Abrasion – Coarse Aggregate	Maximum 25
% Loss in MgSO4 Soundness – Coarse Aggregate	Maximum 15
% Loss in MgSO4 Soundness – Fine Aggregate	Maximum 25
Sand Equivalent Value in Soils & Fine Aggregate	Minimum 40
% Loss in Micro-Deval – Coarse Aggregate	Maximum 25
% Loss in Micro-Deval – Fine Aggregate	Maximum 17 – 18
Organic Impurities in Fine Aggregate	Maximum 3
pH Level	Maximum 11

For more information, call: 250-754-2195

Meets Specifications

Aggneo meets the specifications outlined by the Master Municipal Construction Documents Association pertaining to recycled materials, which states: *“Recycled material shall consist only of aggregates, crushed portland cement concrete, or asphalt that is free of impurities.”*

Gradation

Sieve Size	Percent Passing
25 mm	100
19 mm	80 – 100
9.5 mm	50 – 85
4.75 mm	35 – 70
2.36 mm	25 – 50
1.18 mm	15 – 35
300 um	5 – 20
75 um	0 – 6

Standards and Testing Frequency

Consideration	Criteria	Aggneo™
Testing Frequency	Sieve Analysis	1000 T
	Asphalt Coated Particles	5000 T
	CBR	5000 T
	Fracture Count	5000 T
	Total Asphalt Content	5000 T
	Environmental Analysis (pH, LEPH, HEPH, EPH, PAH, Metals, Non-Chlorinated Phenols)	25000 T