

# *Aggneo*

RECYCLED TO BUILD







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.



## 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.

### 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           |

### Performance Metrics

| Specified Property                              | Aggneo™     |
|---|-------------|
| California Bearing Ratio                        | Minimum 30  |
| % Fracture Count - Coarse Aggregate             | Minimum 80  |
| % Total Asphalt Content                         | Maximum 3.5 |
| % Asphalt-Coated Particles                      | Maximum 30  |
| % Loss in LA Abrasion – Coarse Aggregate        | Maximum 25  |
| % Loss in MgSO4 Soundness – Coarse Aggregate    | Maximum 10  |
| % Loss in MgSO4 Soundness – Fine Aggregate      | Maximum 25  |
| Sand Equivalent Value in Soils & Fine Aggregate | Minimum 40  |
| % Loss in Micro-Deval – Coarse Aggregate        | Maximum 15  |
| % Loss in Micro-Deval – Fine Aggregate          | Maximum 15  |
| Organic Impurities in Fine Aggregate            | Maximum 3   |
| pH Level  | Maximum 11  |

### 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 |