

## 14-5mm CSA Specification Concrete Aggregate



Our 14-5mm concrete aggregate is found at both our Prairie Creek and Nordegg quarries, and will meet and exceed all the requirements of the CSA specifications for concrete aggregates. As it is all quarried material, it has 100% fractured faces and contains no plastic materials. It is ideal for lowering concrete powder requirements in any mix design.

### Benefits of Fish Creek Excavating Concrete Aggregates:

- Consistent sizing
- No plastics/organic material
- 100% fractured faces
- Reduced concrete powder content in mixes

### Prairie Creek 14-5 Material Physical Properties – CSA Requirements

Fractured Faces	100%
Clay Lump Content (CSA A23.2-3A)	0.0%
Low Density Granular Materials (CSA A23.2-4A)	0.0%
Material Finer Than 80µm (CSA A23.2-5A)	2.0%
Flat & Elongated Particles (CSA A23.2-13A)	1.9%
LA Abrasion Test (ASTM C131)	26.0%
Micro-Deval Abrasion Test (CSA A23.2-23A)	9.7%
Unconfined Freeze-Thaw Test (CSA A23.24A)	10.0%

### Prairie Creek 14-5 Material Typical Dolostone Chemical Analysis

CaO (Calcium Oxide)	44.98%
MgO (Magnesium Oxide)	9.4%
SiO <sub>2</sub> (Silicon Dioxide)	0.57%
Fe <sub>2</sub> O <sub>3</sub> (Ferric Oxide)	0.13%
Al <sub>2</sub> O <sub>3</sub> (Aluminum Oxide)	0.07%
LOI (Lost On Ignition)	44.60%

### 14-5mm Concrete Aggregate Sieve Analysis (CSA Table 11 Requirements)

