



## Limestone Insulating/Fire Quenching Stone

Our insulating stone meets all the requirements for use on an Enmax substation sites and is found at both our Prairie Creek and Nordegg quarries. As it is all quarried material, it has 100% fractured faces and contains no plastic materials. More importantly, it also has a high insulating value not commonly found in Alberta. It is ideal for use in both electrical applications and as fire quenching rock.

### Benefits of Fish Creek Excavating Insulating Stone:

- Consistent sizing
- No plastics/organic material
- 100% fractured faces
- High resistivity values
- Can be used for fire quenching rock
- High aesthetic value

### Nordegg & Prairie Creek Insulating/Fire Quenching Stone – Enmax Requirements

<u>Material Property</u>	<u>Nordegg</u>	<u>Prairie Creek</u>	<u>Criteria</u>
Fractured Faces	100.0%	100.0%	>75.0%
Clay Lump Content	0.0%	0.0%	0.0%
LA Abrasion Test (ASTM C131)	25.0%	23.0%	<30%
Specific Gravity (Tonne/m3)	2.76	2.75	>2.5
Resistivity Value ( $\Omega \cdot m$ )	4350	7999	>3000

Nordegg Insulating/Fire Quenching Stone



Prairie Creek Insulating/Fire Quenching Stone



### Limestone Insulating/Fire Quenching Stone Sieve Results

