

**Product Name: Corn Flint**  
**Hardness Value: 6**



**Shape: Angular**  
**Size: 6-10mm**

## Product Description

Washed and dried yellow, brown, cream particles of marine flint shingle.

## Petrology

Predominantly flint particles with oxidised skins. Minor quartz, quartzite and sulphide minerals.

## Grading Analysis

Sieve Size	% Passing	Range
16.0	100	>90
9.5	78.2	>70
6.30	7.6	<25
4.75	0	<5

## Physical Analysis

Property	Value
Aggregate Abrasion Value - AAV	1.1
Aggregate Crushing Value - ACV	20
Aggregate Impact Value - AIV	20
Hardness (Mohs)	6
Magnesium Sulphate Soundness (%)	99
Polished Stone value (est) - PSV	35
Relative Density (Sat. Surface Dried - SSD)	2.51
Relative Density (Apparent) – AP	2.62
Oil Absorption (% by weight)	2.2
10% Fines Value (Kn)	270
Risk of iron staining (Estimate only) – RIS	***
Performance Scale:	2

## Chemical Analysis (Typical)

Element	%
Aluminium (Al <sub>2</sub> O <sub>3</sub> )	1.06
Calcium (CaO)	11.29
Iron (Fe <sub>2</sub> O <sub>3</sub> )	1.57
Magnesium (MgO)	0.13
Potassium (K <sub>2</sub> O)	0.32
Silica (SiO <sub>2</sub> )	75.8
Sodium (Na <sub>2</sub> O)	0.08
Loss on Ignition	9.22