

HIGHWAY MATERIALS Part 3

Aggregate

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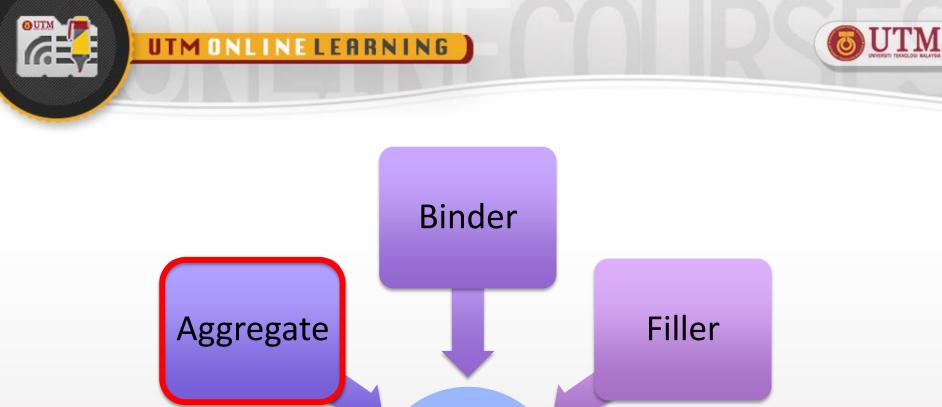




Content

Origin and Production
Aggregate Size
Aggregate Physical Properties
Tests on Aggregate Properties

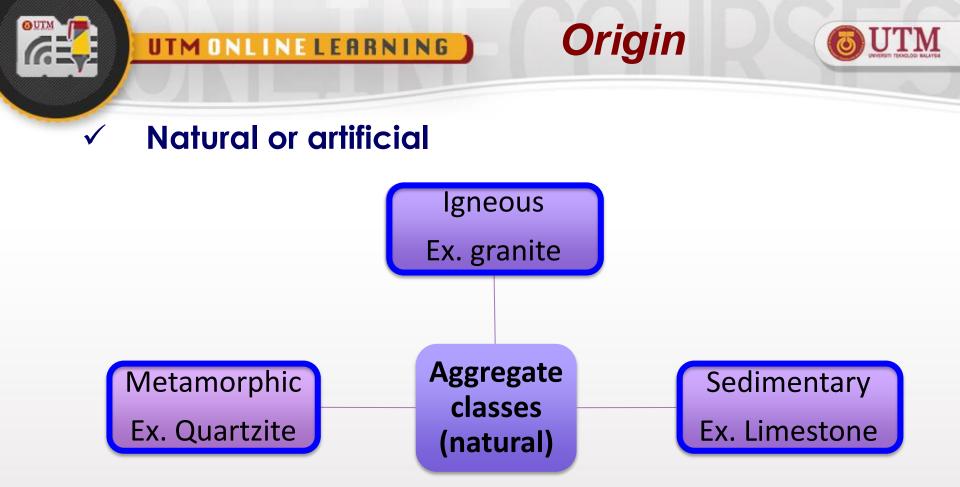




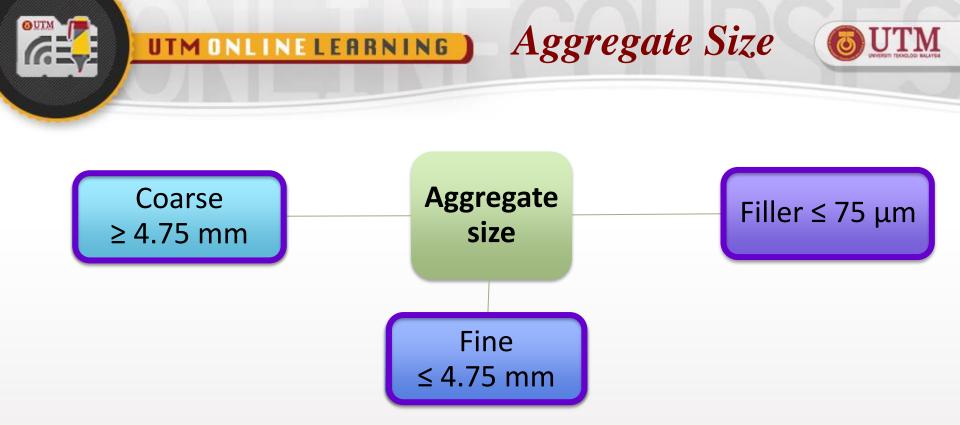




3



 Artificial aggregate – <u>slag</u> waste from ore to produce steel



- Nominal maximum aggregate size: "one sieve larger than the first sieve to retain more than 10% of the materials"
- Maximum size: "one sieve larger than the nominal maximum size"









Aggregate Crushing Value & Ten Percent Fine Value

Aggregate Impact Value

Loss Angeles Abrasion Value

Soundness

Flakiness and Elongation Index







Specific Gravity and Water Absorption

Coating and Stripping

Polished Stone Value

(Pendulum test)

Sieve



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Thank You

