

QPL 35 AGGREGATE

SECTION A: ROTARY KILN EXPANDED LIGHTWEIGHT AGGREGATE

PROCEDURES

GENERAL

This evaluation procedure outlines the Department's approval process for lightweight aggregates used in structural concrete mix designs. The lightweight aggregate shall be produced by fusing raw shale, slate or clay in a rotary kiln producing particles conforming to the grading requirements for 19 millimeters (3/4 inch) to 4.75 millimeters (no. 4) as shown in Table 1 of AASHTO M 195.

SPECIFICATIONS

TDOT 604.03 and 903.19
AASHTO M 195
AASHTO T 85
AASHTO T 104
AASHTO T 96
AASHTO T 161

PROCEDURES

A completed Product Evaluation Form, MSDS sheets, if applicable, type of raw material, location of raw material and a 150 pound sample of the course material for which approval is requested must be submitted to the Division of Materials and Tests.

Also, the manufacturer shall certify that the material meets the above specifications and provide independent test results in accordance with the above specifications. Verification testing will be performed by the Department prior to adding the product to the Qualified Products List.

In order to remain on the QPL, 50 pounds of the material shall be submitted to TDOT every six months for verification testing.