

Agenda Item: 650-1108

Title: Asphalt Impregnated Fiber Board

Date: November 14, 2023

Contact: Name: Ken Erdmann
Company: Matrix PDM Engineering
Phone: 918-624-6265
E-mail: kerdmann@matrixpdm.com

Purpose: To clarify quality of asphalt fiber board beyond general reference

Reference: B.4.2.4

Revision: 0

Impact: Improve quality of fiber board and longevity of service.

Background: API-650 has generic reference to fiber board for sealing under the shell. AWWA D100 has specific reference to an ASTM standard for asphalt fiber board. History has shown that the generic reference lead to fiber board with an exterior coating only. The AWWA spec has asphalt through the thickness that provides better water resistance.

Proposal: Include the ASTM reference for fiber board to provide better water resistance.

Rationale: Some fiber boards provide bad resistance to water migration.

LEGEND:

Black text is the existing API 650 language.

Blue text is the recommended changes to the 650 standard.

B.4.2.4 Options under the shell. Considerations shall be given to the trapping of moisture under the tank bottom that can lead to underside corrosion. Refer to E.7.1 for additional seismic considerations.

a) Place steel directly on concrete.

b) 13 mm (1/2 in.) ~~asphalt impregnated fiber board per ASTM~~ thick cane fiber joint filler meeting the requirements of ASTM D1751-.

c) Shimming and grout.

d) Other suitable materials selected by agreement between the Purchaser and manufacturer.