



DEPARTMENT OF ADMINISTRATIVE SERVICES

PROPOSED CHANGE OF THE CONNECTICUT STATE
BUILDING CODE AND FIRE SAFETY CODE

DATE SUBMITTED: 9-11-2024

CODE INFORMATION

Proposed change to: ☒ Building Code ☐ Fire Safety Code

Code section(s): ISPSC 307.2.2

PROPONENT INFORMATION

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CT

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Town

State

Zip Code

PROPOSAL INFORMATION

Description of change and reason for change (attach additional information as needed):

To allow common, traditional pool materials not currently allowed in the ISPSC

Proposed text change, addition or deletion (attach additional information as needed):

See attached.

Supporting data and documents (attach additional information as needed)

☒ **This Proposal is original material.** (Note: Original material is considered to be the submitter's own idea based on or as a result of his/her own experience, thought or research and, to the best of his/her knowledge, is not copied from another source.)

☐ **This Comment is not original material, its source (if known) is as follows:** (such as material / code development proposal from a prior development cycle or proposal submitted to model code committee etc.)

☐ **I would like to make an in-person presentation of my proposal.**

Release

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Proponent's Signature

Raymond S Steadward Jr.

Printed Name

PLEASE EMAIL (PREFERRED) TO DAS.CodesStandards@CT.GOV OR MAIL OR FAX (SEE BELOW)

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12/29/16



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To Whom It May Concern:

Please Revise 2024 ISPSC as follows:

307.2.2 Materials and structural design. CSP

Pools and spas shall conform to one or more of the standards indicated in [Table 307.2.2](#). The structural design of pools and spas shall be in accordance with the [International Building Code](#) or the [International Residential Code](#), as applicable in accordance with [Section 102.7.1](#) of this code.

Exception: Pools and spas constructed with reinforced concrete or reinforced shotcrete with a minimum compressive strength of 2,500 pounds per square inch (175.8 kg/cm²) as designed by a design professional and approved shall be permitted.

TABLE 307.2.2 RESERVOIRS AND SHELLS

MATERIAL	STANDARD
Fiberglass reinforced plastic	IAPMO Z124.7
Plastic	IAPMO Z124.7
Reinforced concrete	ACI 318
Reinforced shotcrete	ACI 318
Stainless steel (Types 316, 316L, 304, 304L)	ASTM A240
Tile	ANSI A108/A118/A136.1
Vinyl	ASTM D1593

(ADD:)Exception: In the absence of a material or standard being listed in this chart, any material meeting the general requirements of 307.2.1 may be accepted as an alternative through 104.11.

Reason: Currently our code does not allow concrete, aluminum, or steel pools, other than through alternative means and methods. 2024 concrete gets picked up, but other traditional and common materials got missed. This proposal would allow the broad guidance of 307.2.1 to govern with a little bit of backup information required via 104.11 (which may be moved to 104.2 in 2024) and allow materials that pools have been constructed to for decades without nailing it to a specific standard.

For reference:

307.2.1 Materials.

Pools and spas and appurtenances thereto shall be constructed of materials that are nontoxic to humans and the environment; that are generally or commonly regarded to be impervious and enduring; that will withstand the design stresses; and that will provide a watertight structure with a smooth and easily cleanable surface without cracks or joints, excluding structural joints, or that will provide a watertight structure to which a smooth, easily cleaned surface/finish is applied or attached. Material surfaces that come in contact with the user shall be finished, so that they do not constitute a cutting, pinching, puncturing or abrasion hazard under casual contact and intended use.

Cost impact: None or possibly decrease by eliminating complications to permitting.

Thank you for your consideration!

Raymond S Steadward Jr.

Building Official

Town of Enfield

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