



PHTA and ICC Joint Response to Diving Envelope Questions

BACKGROUND

The provisions found within the 2018 ISPSA chapter 8 and relevant sections below were derived from and are consistent with the 2003 and 2011 editions of the ANSI/APSP-5 Standard for Residential Inground Swimming Pools.

RESPONSES

1. What is the trigger (minimum) height above water that requires a diving envelope?

A1: A Type I-V diving envelope is required only when manufactured or fabricated diving equipment is present. Pools that do not meet any of the minimum diving water envelopes, found in table 804.1 and figure 804.1, are classified as Type 0 pools. If a pool is classified as Type 0, manufactured or fabricated diving equipment must not be installed on the pool. The code does not restrict deck elevation in any Type pool including Type 0.

808.1 Manufactured and fabricated diving equipment.

Manufactured and fabricated diving equipment shall be in accordance with this section. Manufactured and fabricated diving equipment and appurtenances shall not be installed on a Type 0 pool.

2. Can a raised bond beam be considered an elevated platform that requires a diving envelope?

For clarity in answering this question, our understanding of a raised bond beam aligns with this example - <https://www.infinitepools.com/2019/01/15/what-is-raised-bond-beam-rbb/>

A2: The elevated portion of the deck, or “raised bond beam”, as shown in the given picture contained in the above link, is not designed or intended for diving and does not constitute manufactured or fabricated diving equipment. Therefore, it does not trigger the application of section 804 or table 804.1. One can attempt to dive from any deck surface, and it is the responsibility of the owner and users to exercise appropriate personal judgment and responsibility (including constant adult supervision of children) in and around swimming pools.

808.8 Stationary diving platforms and diving rocks.

Stationary diving platforms and diving rocks built on-site shall be permitted to be flush with the wall and shall be located in the diving area of the pool. Point A shall be in front of the wall at the platform or diving rock centerline.

808.9 Location.

The forward tip of manufactured or fabricated diving equipment shall be located directly above Point A as defined by [Section 808.6](#).

808.12 Platform height above waterline.

The height of a stationary diving platform or a diving rock above the *design waterline* shall not exceed the dimensions in [Table 808.12](#).

TABLE 808.12
DIVING PLATFORM OR APPURTENANCE HEIGHT ABOVE DESIGN WATERLINE

POOL TYPE	HEIGHT INCHES
I	42
II	42
III	50
IV	60
V	69

For SI: 1 inch = 25.4 mm.

3. Does a raised spa (18" above deck / about 24" above water) abutting a pool require a diving envelope?

A3: See A2

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