

2.8.10. Waterfront Properties

- a. For all water front properties, the fire access road shall comply with this chapter and **Table 2.8**.

Table 2.8: Extent of Fire Vehicle Access for Waterfront Properties	
OCCUPANCY	EXTENT OF FIRE ACCESS
Commercial Villas	Maximum distance from Fire access road shall not exceed 60 m
Lowrise buildings	Maximum distance from Fire access road shall not exceed 60 m
Highrise buildings	Shall comply with Table 2.3 and Table 2.4 . of this chapter
Superhighrise buildings	Shall comply with Table 2.5 . of this chapter

- b. Where the water front properties, the fire access road does not comply with **Section 2.8.10.a.**, the **Section 2.8.10. b.1.** and **Section 2.8.10. b.2.** shall apply to such properties.

b.1. Building Facade

b.1.1. Façade system shall comply with **UAE Fire and Life Safety Code of Practice 2017, chapter 1, Section 4**. However, materials and material test requirements of Chapter 1, section 4 shall be superseded with the **Chapter 2, Section 2.8.10. b.1.**

b.1.2. Façade material shall comprise of non-combustible cladding and non-combustible insulation materials such as below.

- i. Natural stones, masonry, brick, terra cotta, ceramics.
- ii. Non-composite solid metals such as aluminium, steel, stainless steel, copper, titanium, factory painted (<0.3 mm thick) metals.
- iii. Mineral wool, cement boards, cement plaster and concrete.

b.1.3. For cladding or insulation materials or composites not listed in **b.1.2.** that are deemed to be non-combustible, then the supplier shall provide test evidence and certification to show the material/ composite achieves Class A1 to fire performance test, EN 13501-1 and shall have self-ignition temperature of not less than 343⁰ C when tested to ASTM D1929.

b.1.4. Vapour barriers shall be aluminum foil or achieve class A2-s1-d0 to EN 13501-1.