



Ref. : Ref. No. CMRL – 03-2024

Date: 23-1-2024

المرجع:

Date : **TO: All Engineering Consulting offices, Contracting companies and  
Concrete Suppliers in Fujairah**

التاريخ:

**Subject: Implementation of green Concrete in Fujairah Projects.**

Respected Colleagues,

May the peace, blessings, and mercy of God be upon you

**Subject: The use of green concrete in Fujairah projects (Residential and  
Industrial)**

The Municipality of Fujairah extends its best regards, wishing continued progress and prosperity. In the spirit of collaboration and adherence to the highest standards of sustainability, the use of green concrete, an environmentally friendly material, is strongly encouraged. This directive is based on the esteemed Executive Council's guidelines, and we announce the following decisions:

**1. Mandatory Use of Green Concrete:**

- Starting from 2-2-2024, the use of green concrete at a rate of 100% is mandated in all government projects, residential and commercial buildings, and industrial projects. This rule is applicable without exception, as per the specifications outlined in Table 1 & 2.

**2. Obligations for Consultants and Contractors:**

- Engineering consulting offices and contracting companies are obliged to incorporate the green concrete specifications into new construction contracts in Fujairah areas.

**3. Verification and Penalties:**

- The Municipality will conduct structural audits to ensure compliance with green concrete usage.
- Financial penalties will be applied in case of non-compliance.



**Tables:**

Ref. : **Table 1 : Specifications of green concrete for the Sub Structure:**

Compressive Strength Class (Cube)	Minimum Total Cementitious Material Content (kg/m <sup>3</sup> )	Composition of Cementitious Material	Maximum W/C Ratio
C15, C20, C25 (Blinding Concrete)	280	OPC with 35 - 50% GGBS	0.55
C 35	380	OPC with 55 - 65% GGBS	0.42
C 40	400		0.40
C 45	420		0.38
C 50	430		0.36

**Table 2: Specifications of green concrete for Super Structure:**

Compressive Strength Class (Cube)	Minimum Total Cementitious Material Content (kg/m <sup>3</sup> )	Composition of Cementitious Material	Maximum W/C Ratio
C 35	380	OPC with 35 - 40% GGBS	0.42
C 40	400		0.40
C 45	420		0.38
C 50	430		0.36

**Important Notice:**

All requirements and instructions must be strictly followed to avoid violations and site rejection.

This information is for your kind knowledge and procedures. Thank you for your understanding and your permanent cooperation.

Yours sincerely

Engr. Maryam Ahmed

Director of Engineering and Planning affairs department

