



澳門土木工程實驗室

LABORATÓRIO DE ENGENHARIA CIVIL DE MACAU
Civil Engineering Laboratory of Macau

茲證明
EMPRESA
COMPANY

持有證書
Certificado N°
Certificate No.

所列產品
Produto
Product

符合
em conformidade com
in conformity with

廠址
Fábrica
Factory

中山市堅正水泥預製件有限公司

ZHONG SHAN JIAN ZHENG PRECAST CONCRETE CO., LTD

P8872 發佈號
Emissão n° 5
Issue n.

有效期 data/date
2023年5月18日
18th May 2023

至 válido até/valid until
2025年5月17日
17th May 2025

預拌混凝土系列 F01 :

- 混凝土強度級別為 B45;
- 坍度級別為 S3

本混凝土系列的具體內容須參照本證書之附件。

Ready-mixed Concrete Family F01

- strength class B45;
- slump class S3

Detailed information regarding this family shall refer to the appendix of this certificate.

預拌混凝土認證細則(文件編號: LECM/RC/05)

Certification Rules for Ready-mixed Concrete (Document no. LECM/RC/05)

廣東省中山市火炬開發區橫門水道東側馬安村圍墾石場

Ma'an village, Torch Development Zone, Zhongshan city, Guangdong province

允許使用澳門土木工程實驗室認證標誌

Tem autorização para utilizar o logotipo de certificação do LECM

Has license to use LECM certification logo

請瀏覽LECM網站確認認證證書的最新狀態。

A actualização do certificado deve ser verificada na página do LECM.

The updated status of the certificate shall be checked in LECM website.



本證書根據澳門政府第56/SATOP/98號批示所授予職權，由澳門土木工程實驗室簽發。

Este certificado é emitido pelo LECM de acordo com o Despacho no. 56/SATOP/98 do Governo de Macau.

This certificate is issued by LECM in accordance with the Dispatch no. 56/SATOP/98 of Macao Government.

澳門土木工程實驗室

Pelo Laboratório de Engenharia Civil de Macau

For and on behalf of the Civil Engineering Laboratory of Macau

董事會主席 Presidente da Direcção
President of the Board of Directors

澳門土木工程實驗室不會對在本檢定計劃下的產品之使用負上任何責任。本證書為澳門土木工程實驗室所擁有，當本實驗室有要求收回時應當發還。

Não pode ser imputada ao LECM qualquer responsabilidade pela utilização dos produtos abrangidos por este esquema de certificação. Este certificado é propriedade do LECM e deve ser devolvido sempre que solicitado.

LECM undertakes no responsibility for the utilization of the products contained in this certification scheme. This certificate is a property of LECM and shall be returned when required.

LECM Mod.217 - 2022, 000297

CERTIFICATE
www.lecm.org.mo

預拌混凝土認證證書附件(版本號 A)

Appendix of Ready-mixed Concrete Certificate (Version no. A)

證書編號 Cert. no.	P8872	發佈號 Issue no.	5
公司名稱 Company:	中山市堅正水泥預製件有限公司 ZHONG SHANG JIAN ZHENG PRECAST CONCRETE CO., LTD		
廠址 Factory address:	廣東省中山市火炬開發區橫門水道東側馬安村圍墾石場 Ma'an village, Torge Development Zone, Zhongshan city, Guangdong province		
證書有效期由 effected since :	2023 年 5 月 18 日 18th May 2023	至 to	2025 年 5 月 17 日 17th May 2025

預拌混凝土系列 F01 的具體內容

- 所使用廣東清新水泥有限公司生產的硅酸鹽水泥種類一 級別 52.5;
- 礦渣粉最大摻量為水泥量的 50%;
- 粗骨料為花崗岩質碎石, 最大骨料粒徑 20mm, 細骨料為碎石粉;
- 使用高效減水劑;
- 來自中山公共供水系統的水作為拌合水;
- 混凝土強度級別為 B45;
- 坍度級別為 S3

參考混凝土為 B45 強度級別

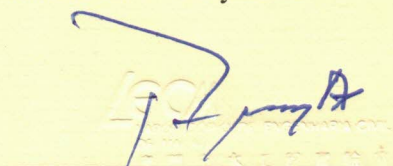
Detailed information about Ready-mixed Concrete Family F01

- with Portland Cement Type I 52.5 manufactured by Guangdong Qingxin Cement Company Limited;
- GGBS maximum content 50% of cement;
- crushed granitic stone with maximum size 20mm as coarse aggregate, crushed stone fine as fine aggregate;
- superplasticizer as admixture;
- mixing water from Zhongshan public water supply;
- strength class B45;
- slump class S3

The reference concrete is strength class B45

發佈於 2023 年 5 月 9 日

Issued on 9th May 2023



澳門土木工程實驗室董事會主席

President of the Board of Directors of the Civil Engineering Laboratory of Macau