

LECM

澳門土木工程實驗室

LABORATÓRIO DE ENGENHARIA CIVIL DE MACAU
Civil Engineering Laboratory of Macau

證書

CERTIFICADO

CERTIFICATE

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茲證明
EMPRESA
COMPANY

廣東建華管樁有限公司
GUANGDONG JIANHUA CONCRETE PILE CO., LTD.

持有證書
Certificado N°
Certificate No.

發佈號
Emissão n° 1
Issue n.

有效期 data/date
2026年6月26日
26th June 2026

至 válido até/valid until
2026年12月25日
25th December 2026

所列產品
Produto
Product

預拌混凝土系列 F01(*僅包括混凝土強度要求):

- 混凝土強度級別為 B60;
- 坍度級別為 S4

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(*Limited to concrete strength requirements only):

- strength class B60;
- slump class S4

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

符合
em conformidade com
in conformity with

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)

廠址
Fábrica
Factory

廣東省中山市民眾鎮沙仔工業區
Shazai Industrial Zone, Minzhong town, Zhongshan city, Guangdong, China

允許使用澳門土木工程實驗室認證標誌。

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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

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LECM Mod.218 - 2024, 000539

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 P8937 發佈號 1
Cert. no. Issue no.
公司名稱 廣東建華管樁有限公司
Company: GUANGDONG JIANHUA CONCRETE PILE CO., LTD
廠址 廣東省中山市民眾鎮沙仔工業區
Factory address: Shazai Industrial Zone, Minzhong town, Zhongshan city, Guangdong, China
證書有效期由 2026年6月26日 至 2026年12月25日
effected since: 26th June 2026 to 25th December 2026

預拌混凝土系列 F01(*僅包括混凝土強度要求)的具體內容

- 水泥：廣東清新水泥有限公司生產的硅酸鹽水泥種類 I 級別 52.5;
- 礦渣粉：最大摻量為水泥量的 15%，級別 S95，由寶武環科(湛江)資源循環利用有限公司生產;
- 硅灰：最大摻量為水泥量的 5%，由中山市冠橋建材有限公司生產;
- 粗骨料：花崗岩質碎石，最大骨料粒徑 20mm，產地：廣西藤縣泓拓礦業有限公司;
- 細骨料：花崗岩質碎石粉，產地：廣西藤縣泓拓礦業有限公司;
- 減水劑：高效減水劑，由江蘇奧萊特新材料股份有限公司生產;
- 拌合水：中山公共供水系統的自來水;
- 混凝土強度級別為 B60;
- 坍度級別為 S4

參考混凝土為 B60 強度級別

Detailed information about Ready-mixed Concrete Family F01 (*Limited to concrete strength requirements only)

- Cement: Portland Cement Type I 52.5 manufactured by Guangdong Qingxin Cement Company Limited;
- GGBS: maximum content 15% of cement, grade S95, manufactured by: Baowu Huanke (Zhanjiang) Resources Recycling Co., Ltd.;
- Silica fume: content 5% of cement, manufactured by: Zhongshan Guanqiao Building Materials Co., Ltd.
- Coarse aggregate: crushed granitic stone with maximum size 20mm, source: Guangxi Tengxian Hongtuo Mining Co., Ltd. ;
- Fine aggregate: granitic crushed stone fine, source: Guangxi Tengxian Hongtuo Mining Co., Ltd.;
- Admixture: Superplasticizer, manufactured by Jiangsu Arit New Materials Co., Ltd.;
- Mixing water: Zhongshan public water supply;
- strength class B60;
- slump class S4

The reference concrete is strength class B60

發佈於 2026 年 6 月 25 日

Issued on 25th June 2026

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