



澳門土木工程實驗室

LABORATÓRIO DE ENGENHARIA CIVIL DE MACAU
Civil Engineering Laboratory of Macau

證書

CERTIFICATE

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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

中山市堅正建材科技有限公司
ZHONGSHAN JIANZHENG BUILDING MATERIALS TECHNOLOGY CO., LTD.

發佈號
P8936 Emissão n° 2
Issue n.

有效期 data/date
2026 年 9 月 11 日
11th September 2026

至 válido até/valid until
2028 年 9 月 10 日
10th September 2028

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)

廣東省中山市神灣鎮神灣大道南 141 號廠房 B 之三
Factory Building B TER, No. 141 Shenwan Avenue South, Shenwan Town, Zhongshan City, Guangdong Province, 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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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.	P8936	發佈號 Issue no.	2
公司名稱 Company:	中山市堅正建材科技有限公司 ZHONGSHAN JIANZHENG BUILDING MATERIALS TECHNOLOGY CO., LTD.		
廠址 Factory address:	廣東省中山市神灣鎮神灣大道南 141 號廠房 B 之三 Factory Building B TER, No. 141 Shenwan Avenue South, Shenwan Town, Zhongshan City, Guangdong Province, China		
證書有效期由 effected since :	2026 年 9 月 11 日 11 th September 2026	至 to	2028 年 9 月 10 日 9 th September 2028

預拌混凝土系列 F01 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 50%，級別 S75，由廣西防城港市柳鋼環保科技有限公司生產；
- 粗骨料：花崗岩質碎石，最大骨料粒徑 20mm，產地：廣東江門市新會區泰盛石場有限公司；
- 細骨料：花崗岩質碎石粉，產地：廣東江門市新會區泰盛石場有限公司；
- 減水劑：高效減水劑，由廣東江門市蓬江區強力建材有限公司生產；
- 拌合水：中山公共供水系統的自來水；
- 混凝土強度級別為 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

- Cement: Portland Cement Type I 52.5 manufactured by Guangdong Qingxin Cement Company Limited;
- GGBS: maximum content 50% of cement, grade S75, source Guangxi Fangchenggang Liugang Environmental Protection Technology Co., Ltd,
- Coarse aggregate: crushed granitic stone with maximum size 20mm, source Tai Sheng Quarry, Xinhui, Jiangmen, Guangdong;
- Fine aggregate: granitic crushed stone fine, source Tai Sheng Quarry, Xinhui, Jiangmen, Guangdong;
- Admixture: Superplasticizer, manufactured by QiangLi Construction Materials Co., Ltd;
- Mixing water: Zhongshan public water supply;
- strength class B45;
- slump class S3

The reference concrete is strength class B45

發佈於 2026 年 8 月 27 日
Issued on 27th August 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