

Test Report of Polyurethane Resin

Report No. :RB-1500199

Receive Date : 2015.11.20

Report Date : 2015.11.24

Project Name : The Suhua Highway of Provincial Highway No. 9 Tung-Ao Tunnel
Construction Project

Client : FORTUNE Construction Co., Ltd.

Client's Address : Site Office, No. 156, Yongle S. Rd., Suao Township, Yilan
County 270, Taiwan(R.O.C.)

Contractor : FORTUNE Construction Co., Ltd.

Supplier : WECAND Enterprise Co., Ltd.

Sampler : SINOTECH Engineering Consultants, Ltd. :Wu, Hui-Wen
FORTUNE Construction Co., Ltd. :Huang, Hung-Wen

Transporter : remark 5

Witness : N/A

- Remarks : 1.This report is responsible for the test samples only.
2.The content of this report shall not be reproduced except in full.
3.This report will be preserved for 3 years.
4.Owner:Suhua Improvement Engineering Office, Directorate
General of Highway, Ministry of Transportation and
Communication.
Construction Supervisor:SINOTECH Engineering Consultants, Ltd.
Material Testing Application No. :A2-E01-079
Sampling date/Location:2015.11.12/Tung-Ao Tunnel North Portal
(The informations of this section are provided by client)
5.The testing samples were collected by Suhua Highway Improvement
Project A1-A3, B1-B4, C1A-C2 Site Laboratory at the job site on
2015.11.13(Report No. 1505630X), and transported by Wu, Hui-Wen
(SINOTECH Engineering Consultants, Ltd.), and Huang, Hung-Wen
(FORTUNE Construction Co., Ltd.) at 16:20 on 13th December 2015. Our
laboratory was requested by Hsieh, Herng-Ji(CECI Nova Technology
Co., Ltd.) to conduct this test.

For and on behalf of
WECAND ENTERPRISE CO., LTD.

Laboratory Supervisor:

副理 陳在輝

Approval Signatory


Authorized Signature(s)

NOVA

CECI Nova
Technology Co., Ltd.

YangMei Laboratory, Testing Department 1

No.525, Xinming St., Yangmei Dist., Taoyuan City 326, Taiwan (R.O.C.)
Tel : (886-3)4727262 Fax : (886-3)4727245

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Materials[Specification] : Polyurethane Resin (Directorate General of Highways
Technical Provisions Addenda chapter 02432)

Specimen Number	Product Grade	Product Marking
A2-E01-079	—	PUR-125

Test Item	Test Results	Requirement for Specification	Test Method
Specific Gravity			
Agent A	1.06	—	remark 1
Agent B	1.22	—	
Gel Time(s)	76	1 ~ 200 minutes	remark 2
Foaming Expansion Ratio(%)	8.0	—	remark 3

Remarks : 1. The test is made at 20 °C with hydrometer.

2. After uniform mixing by the ratio Agent A : Agent B = 1 : 2 (proportion by weight) designated by the applicant, record time from the beginning of foaming to the complete of foaming.
3. After uniform mixing by the ratio Agent A : Agent B = 1 : 2 (proportion by weight) designated by the applicant, record the height of foaming and caculation foaming expansion ratio.

For and on behalf of
WECAND ENTERPRISE CO., LTD.

Authorized Signature(s)

Laboratory Supervisor: 副理陳在忻 Approval Signatory: