



مختبر علوم التربة لفحص المواد
GEOSCIENCE TESTING LABORATORY

REPORT OF TENSILE TESTS ON COUPLER

Lab References:

| | | | |
|-------------|------------------|-------------|------------------|
| Report No. | : R1-1a 09-12234 | Report Date | : 01/07/2009 |
| Request No. | : Q1-1a 09-12234 | Sample No. | : S1-1a 09-12234 |
| Date Tested | : 30/06/2009 | | |
| Tested By | : NNR/MSS | | |

Client References:

| | |
|------------------|-----------------------------|
| Project No. | : Not Applicable |
| Project Name | : Internal Quality Checking |
| Senders ref. No. | : Not given |
| Client | : Not Applicable |
| Address | : Dubai, U A E |
| Consultant | : Not Applicable |
| Contractor | : LUV International |

1.0 Introduction

Further to the instruction received from the consultant for the above mentioned project, GTL has carried out Tensile testing on 20 mm rebar coupler assembly in accordance with the applicable procedures laid down in BS 4449 : 1997 and BS EN 10002 Part 1 : 2001. The coupler attachment fixed with jaws of the tensile testing machine. Uniform load was applied up to the failure. The load at failure along with the mode of failure was reported.

2.0 Sample Details. Bar details:

| | | |
|--------------------|---|----------------------------|
| Sample Description | - | 20 mm SBT threaded coupler |
| Grade | - | 460 B |
| Cast No./Charge | - | Not given |
| Source | - | Not given |
| Local Supplier | - | Not given |



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3.0 Coupler Details:

Coupler marking - Not applicable
Coupler Length (mm) - 48.13
Coupler diameter-outer (mm) - 32.65

4.0 Test Results :

| Specimen No. | Maximum Load Applied (kN) | Failure Stress (N/mm ²) | Mode of Failure |
|--------------|---------------------------|-------------------------------------|--------------------|
| 1 | 192.2 | 612 | Break at the rebar |

Note:

The Failure Stress is calculated using the nominal cross sectional area of 20 mm bar.

5.0 Remarks:

None

* Results relates only to the samples tested.
* Test reports shall not be reproduced (except in full) with out the written approval of the laboratory.



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for

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DIVISION MANAGER (MATERIALS)

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