

**TEST REPORT**

**PULL-OUT TEST (CONCRETE BONDING TEST)**

**BS 5080-1:1993**

Report No.	: RSP24-25307/1	Report Date	: 14-06-2024
Sample No.	: SSP24-25307	Project No.	: Not Applicable
Project Name	: Internal Quality Check	Client Ref.No.	: 01-25/30/35/40
Project Client	: Legoplast Plastic Manufacturing LLC	Sampled by	: Client
Consultant	: Not Applicable	Sampling Date	: Not Given
Contractor	: Not Applicable	Sampling Time	: Not Given
Location	: Not Applicable	Sample Brought In By	: Client
Product Name	: Plastic Rebar Spacer	Sample Received Date	: 30-05-2024
Sample Description	: Plastic Rebar Spacer- Type 1	Sample Received Time	: 11:00 Hrs
Source of Sample	: Client	Size of sample	: 2 Nos.
Casting Date	: 06-06-2024	Depth of anchoring	: 50mm
Size of slab casted	: (500x500x100)mm	Age of specimen at test	: 7 Days
Grade of concrete used	: C40/20	Size of steel rebar used for pulling	: 16mm Dia
Fixing medium	: Concrete slab casted along with spacer and pulling frame		

**Test Results :**

Test No.	Test parameter	Load applied, kN	Result
1	Pull-out (Concrete bonding test)	33.40	During load application, the pulling frame fractured. No debonding was observed between the concrete and plastic rebar spacer.

**Observation :**

Spacer sustained the applied load, any sign of cracks or damages not observed on the concrete surface after load application

Testing Date : 13-06-2024  
Tested By : HKP  
Test Method : BS 5080-1:1993  
Test variation : None  
Remarks : Only one spacer sample was tested.  
Test witnessed by client rep.

For Advanced Laboratory Center LLC



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This report relates only to the sample tested and shall not be reproduced except in full, without written approval of ALC. The sample will be retained for a period of one month. Unless otherwise requested

Issue No./Dt 01/01.04.21 Form No.: MC-124  
Revision No./Dt

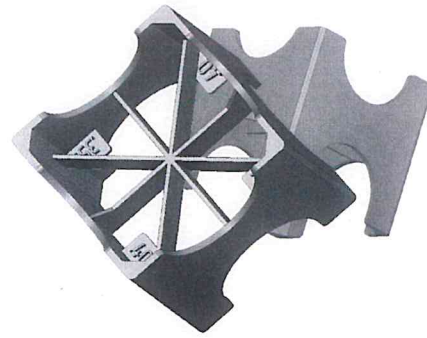
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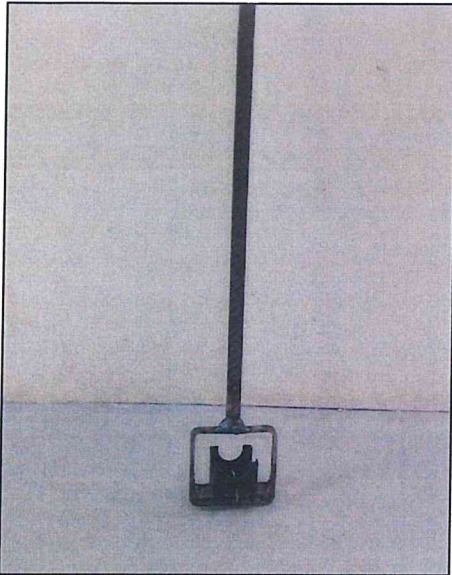
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IMAGES OF TEST SAMPLE BEFORE AND AFTER



**Plastic Rebar Spacer- Type 1**



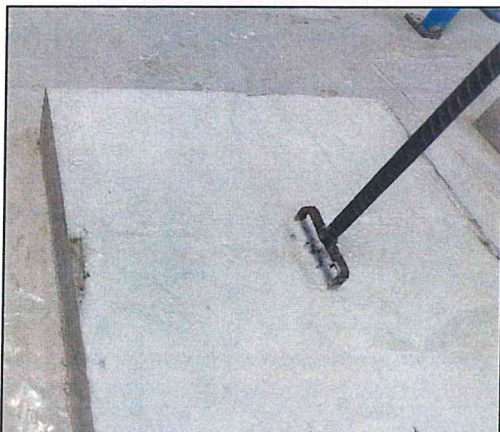
**1. Rebar Spacer attached with pulling system**



**2. Spacer and pulling system positioned in frame work**



**3. After casting**



**4. Sample before pull out test**



**5. Sample after pull out test**