

TEST REPORT

PULL-OUT TEST (CONCRETE BONDING TEST)

BS 5080-1:1993

Report No.	: RSP24-25307/2	Report Date	: 05-07-2024
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	: 28 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)	35.98	During load application, the pulling frame fractured at welded area. 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 : 04-07-2024
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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The sample will be retained for a period of one month. Unless otherwise requested

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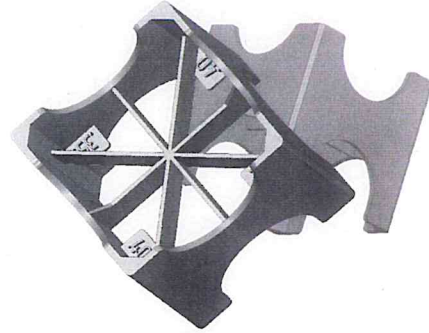
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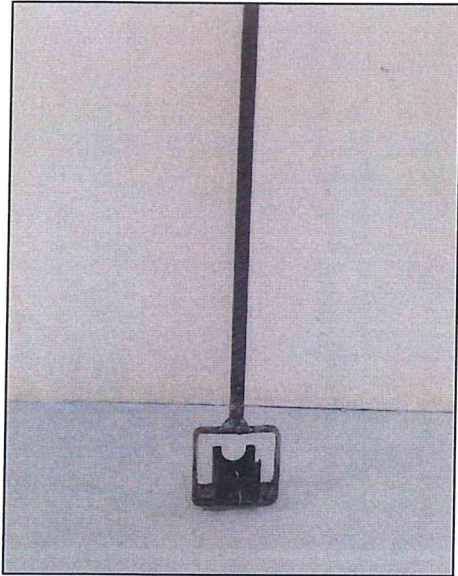
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IMAGES OF TEST SAMPLE BEFORE AND AFTER



Plastic Rebar Spacer- Type 1



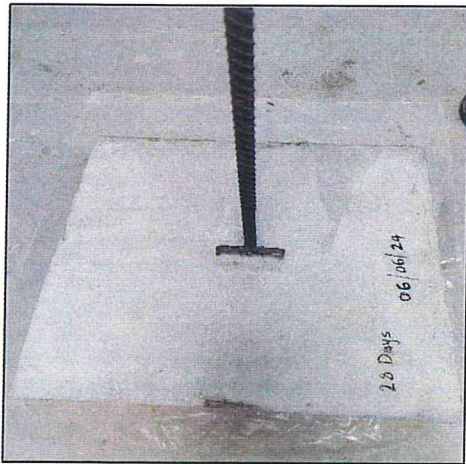
1. Rebar Spacer attached with pulling system



2. Spacer and pulling system positioned in frame work



3. After casting



4. Sample before pull out test



5. Sample after pull out test

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