

TEST REPORT

(This Report is issued subject to the terms & conditions set out below)

- Subject** : Determination of Compressive Strength and Surface Layer Thickness on Interlocking Concrete Paving Blocks submitted by M/s Sun-Block Sdn. Bhd.on 18/08/2004.
- Tested For** : **M/s. SUN-BLOCK SDN. BHD.**
PLO 6, Jalan Lapangan Terbang,
Fasa 1, Kawasan Perindustrian Senai,
81400 Senai, Johor,
Attn: Mr Ivan Tan
(Factory Manager)
- Method of Test** : 1) Compressive Strength: BS 6717: Part 1: 1993
2) * Surface Layer Thickness Test: HDB Standard Specifications for Civil Engineering Works (2001 Edition) Clause 3.17d
- Specification** : BS 6717: Part 1: 1993 and HDB Standard Specification for Civil Engineering Works (2001 edition) Clause 3.17 – Interlocking Concrete Paving Blocks
- Description of Sample** : 21 pieces of “Unipave” Concrete Paving Blocks of 60mm thickness were received. (See photograph attached).
1) 16 pieces marked as A1 to A16 (Grey) for compressive strength test.
2) 5 pieces marked as C1 to C5 (Grey) for surface layer thickness test.
- Remarks** : Surface Layer Thickness Test marked “*” is not included in the SAC-Singlas Accreditation Schedule for our laboratory.



CT-561-1/Sun-Block/CYX/hh

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RESULTS:Table 1 : Compressive Strength Test on Precast Interlocking Concrete Paving Blocks

Sample Reference*	Unipave 60mm-Gray																BS 6717: Part 1: 1993 and HDB Specification
	A1	A2	A3	A4	A5	A6	A7	A8	A9	A10	A11	A12	A13	A14	A15	A16	
Date of Cast **	-																-
Date of Test	19/08/2004																-
Age at Test (Days)	-																-
Nominal Thickness (mm)	60																-
Measured Thickness (mm)	58	60	59	58	58	58	59	60	59	59	59	58	59	59	58	58	±3
Plan area (mm ²)	24990	24370	24630	24720	24720	25300	24320	24540	24410	24810	24500	24320	24720	24540	24940	24500	-
Maximum Load (kN)	1437	1411	1699	1669	1608	1569	1577	1427	1741	1644	1766	1511	1645	1530	1432	1471	-
Crushing Strength (N/mm ²)	57.5	57.9	69.0	67.5	65.0	62.0	64.8	58.1	71.3	66.3	72.1	62.1	66.5	62.3	57.4	60.0	-
Corrected Crushing Strength (N/mm ²)	61	61	73	72	69	66	69	62	76	70	76	66	71	66	61	64	Not less than 40
Average Crushing Strength (N/mm ²)	68																Not less than 49

Remarks: 1) The sample tested for Compressive Strength met the requirements of BS 6717: Part 1: 1993 and HDB Specification.

2) *Data as furnished by the client.

3) **Data not furnished by the client.




Results:

Table 2: Surface Layer Thickness Test on Precast Interlocking Concrete Paving Blocks

<i>Sample Reference</i>		<i>Unipave 60mm-Grey</i>					<i>BS 6717: Part 1: 1993 and HDB Specification</i>
		<i>C1</i>	<i>C2</i>	<i>C3</i>	<i>C4</i>	<i>C5</i>	
Surface Layer Thickness (mm)	Left (mm)	5.7	6.1	7.1	5.6	6.8	Shall not be less than 5 mm thick
	Middle (mm)	5.2	5.2	6.6	5.5	5.3	
	Right (mm)	5.1	5.4	6.9	5.1	7.2	
	Average (mm)	5.3	5.6	6.9	5.4	6.4	

Remarks: The sample tested for Surface Layer Thickness met the requirements of BS 6717: Part 1: 1993 and HDB specification.



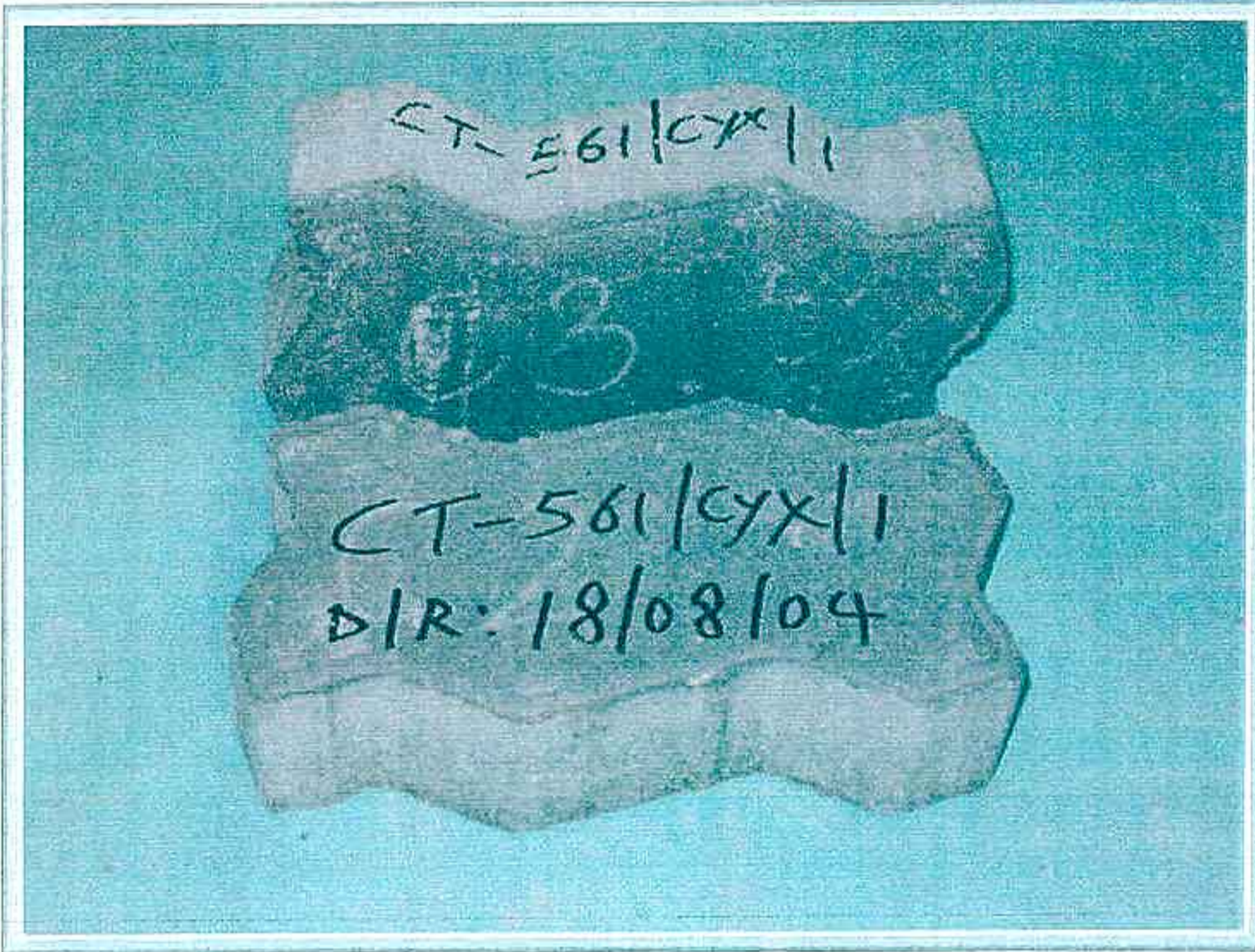
Foong Chee Sung
Testing Officer



Cai Yi Xian
Executive Engineer (CMTD)
Construction Technology Division

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Photograph showing Precast Interlocking Concrete Paving Blocks with 60mm Thickness.

