

試驗報告

報告編號: HB-24-07857
C-24-29848
頁數: 2 OF 3
報告發行日期: 113年09月23日

試驗結果:

試驗項目	試驗方法	試樣編號	#養護方式	試樣尺度			試驗結果	
				長(cm)	寬(cm)	高(cm)	抗壓強度(kgf/cm ²)	平均抗壓強度(kgf/cm ²)
抗壓強度	CNS 11319 :2000	1	乾燥狀態	6.024	6.034	6.096	1716	1535
		2		6.016	6.038	6.062	838	
		3		6.028	6.014	6.076	2091	
		4		6.016	6.048	6.072	1568	
		5		6.012	6.044	6.058	1553	

註: #因顧客未提供石材裂理方向,故無法出具垂直與平行裂理方向之抗壓強度。

試驗項目	試驗方法	試樣編號	#養護方式	試樣尺度				試驗結果		
				長(cm)	寬(cm)	厚(cm)	彎曲強度(kgf/cm ²)	平均彎曲強度(kgf/cm ²)	標準差	
彎曲強度	CNS 13976 :1997	1	乾燥狀態	36.094	4.555	2.833	182	180	4	
		2		36.098	4.577	2.830	174			
		3		36.086	4.534	2.829	183			
		4		36.096	4.565	2.827	183			
		5		36.012	4.547	2.840	179			

註: #因客戶未提供石材裂理方向,故無法出具垂直與平行裂理方向之彎曲強度。

試驗項目	試驗方法	試樣編號	#養護方式	試樣尺度				試驗結果	
				長(cm)	寬(cm)	厚(cm)	破壞模數(kgf/cm ²)	平均破壞模數(kgf/cm ²)	
破壞模數	CNS 11322 :2000	1	乾燥狀態	20.028	10.084	5.787	187	183	
		2		20.014	10.054	5.759	187		
		3		20.022	10.064	5.735	173		
		4		20.038	10.036	5.753	183		
		5		20.056	10.092	5.764	121		

註: #因客戶未提供石材裂理方向,故無法出具垂直與平行裂理方向之破壞模數。

TEST REPORT

Material & Engineering Laboratory-Taipei

REPORT NO.: HB-24-07857 / C-24-29848
PAGE: 2 OF 3
DATE OF REPORT: 2024-09-23

TEST RESULTS:

TEST ITEM	TEST METHOD	SAMPLE NO.	#CURING METHOD	SAMPLE DIMENSIONS			TEST RESULT	
				Length (cm)	Width (cm)	Height (cm)	Compressive Strength (kgf/cm ²)	Average Compressive Strength (kgf/cm ²)
Compressive Strength	CNS 11319 :2000	1	#Curing Dry State	6.024	6.034	6.096	1716	1535
		2		6.016	6.038	6.062	838	
		3		6.028	6.044	6.076	2001	
		4		6.016	6.048	6.072	1568	
		5		6.012	6.044	6.058	1553	

NOTE: #Since the client did not provide stone grain direction, it is not possible to provide compressive strength in directions perpendicular and parallel to the grain.

TEST ITEM	TEST METHOD	SAMPLE NO.	#CURING METHOD	SAMPLE DIMENSIONS			TEST RESULT		
				L (cm)	寬 (cm)	F (cm)	Flexural Strength (kgf/cm ²)	Average of Rupture (kgf/cm ²)	Modulus
Flexural Strength	CNS 11379 :2007	1	Bending	36.094	4.095	2.833	182	180	4
		2		36.098	4.577	2.830	174		
		3		36.096	4.534	2.829	183		
		4		36.096	4.563	2.827	183		
		5		36.012	4.547	2.840	179		

NOTE: #Since the client did not provide stone grain direction, it is not possible to provide compressive strength in directions perpendicular and parallel to the grain.

TEST ITEM	TEST METHOD	SAMPLE NO.	#CURING METHOD	SAMPLE DIMENSIONS			TEST RESULT	
				L (cm)	寬 (cm)	F (cm)	Modulus (kgf/cm ²)	Average of Rupture (kgf/cm ²)
Modulus of Rupture	CNS 11322 :2000	1	Destructive	20.028	10.084	5.787	187	183
		2		20.014	10.054	5.759	187	
		3		20.022	10.064	5.733	173	
		4		20.038	10.054	5.733	183	
		5		20.056	10.092	5.784	129	

NOTE: #Since the client did not provide stone grain direction, it is not possible to provide compressive strength in directions perpendicular and parallel to the grain.

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材料鑒工程實驗室-台北

TAF

Civil Engineering Laboratory 1134

試驗報告

報告編號: HB-24-07857

C-24-29848

頁數: 3 OF 3

報告發行日期: 113 年 09 月 23 日

試驗結果:

試驗項目	試驗方法	試樣編號	長度 (cm)	寬度 (cm)	厚度 (cm)	試驗前		試驗後		試驗結果	
						重量 (g)	重量 (g)	腳踏磨損 抗力	腳踏磨損 抗力 平均值		
腳踏磨損抗力	CNS 11320 :2000	1	5.018	5.034	2.066	135.79	134.77	30	30		
		2	5.092	5.074	2.084	135.59	134.58	30			
		3	5.032	5.024	2.014	136.58	135.60	31			

註: 1. 本試驗之磨料 (60 號氧化鋁粉 Norton Treatment 138S) 已經停產, 本實驗室採用 2A#60 棕色氧化鋁磨料 (千乘研磨材料股份有限公司)。
2. 腳踏磨損抗力試驗進行時之溫度為 31.1°C, 相對濕度 49%。
3. 本試驗報告之試驗地點於新北市五股區 (新北產業園區) 五權路 55 號。
4. 樣品描述: 石材。

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Material & Engineering Laboratory - Taipei

TAF

Civil Engineering Laboratory 1134

TEST REPORT

Report No: HB-24-07857

Project No: C-24-29848

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Date of Issue: 2024 / 09 / 23

Test Results:

Test Item	Test Method	Sample No.	Length (cm)	Width (cm)	Thickness (cm)	Pre-test Weight (g)	Post-test Weight (g)	Test Results	
								Pedal Wear Resistance	Avg. Pedal Wear Resistance
Pedal Wear Resistance	CNS 11320 : 2000	1	5.018	5.034	0.066	135.79	134.77	30	30
		2	5.092	5.074	0.064	135.59	134.58	30	
		3	5.032	5.024	0.014	135.56	135.68	31	

Notes: 1. The abrasive for this test (No. 60 Alumina Powder Norton Treatment 138S) is out of production. The laboratory is now using 2A#60 Brown Alumina Abrasive (Kin-Seng Grinding Material Co., Ltd.).
2. The temperature during the pedal wear resistance test was 31.1°C, and the relative humidity was 49%.
3. The test location for this report is No. 55 Wuquan Rd., Wugu District, New Taipei City (New Taipei Industrial Park).
4. Sample Description: Stone.

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