



**TRINIDAD CEMENT LIMITED**

Southern Main Road, Claxton Bay,  
Trinidad and Tobago  
www.tcl.co.tt  
+1 (868) 225-8254

**CERTIFICATE OF QUALITY**  
**FOR TYPE IP(8) CEMENT - CLASSIFIED ACCORDING TO A.S.T.M. C595/C595M - 23**

**Manufactured by Trinidad Cement Limited**  
**Southern Main Road, Claxton Bay**

Cement Sampled/ Production Date: <b>18-24/08/2024</b>		Consignee: <b>Bestcrete/Ansa Macal Ltd</b>		
Brand: <b>TCL Premium Plus</b>		<b>Churchill Roosevelt Highway, Trincity</b>		
Chemical Analysis				
Component	ASTM NO.	Specification % max	Results % by Weight	
Silica (SiO <sub>2</sub> )	C114 - 23		22.8	
Aluminium Oxide (Al <sub>2</sub> O <sub>3</sub> )			6.9	
Iron (III) Oxide (Fe <sub>2</sub> O <sub>3</sub> )			3.85	
Calcium Oxide (CaO)			59.0	
Magnesium Oxide (MgO)		6.0	1.9	
Total Sulphur (exp as SO <sub>3</sub> )		4.0	3.03	
Loss Of Ignition		5.0	1.9	
Total Alkalies				0.62
Physical Analysis				
Test Method	ASTM NO.	Specification	Results	
Fineness (m <sup>2</sup> /kg)	C204 - 24		414	
Residue on 45µ Sieve	C430 - 17	20.0 (max)	4.1	
Time Of Setting (Minutes)	C191 - 21	Initial 45 (min)	195	
		Final 420 (max)	265	
Compressive Strength (MPa) 1 Day 3 Days 7 Days 28 Days Mortar Flow (%)	C109/C109M - 21		10.3	
			13.0 (min)	23.6
			20.0 (min)	32.2
			25.0 (min)	nr
			110 ± 5	112
Soundness - Autoclave Expansion (%)	C151/C151M - 23	0.8 (max)	0.01*	
Air Content of Mortar (Vol %)	C185 - 20	12.0 (max)	4.0*	

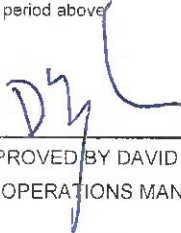
nr - Will be supplied at a later date

For Sampling see CL34/SA 01

\* Indicated typical figures

This test report relates only to the Cement Sampled/Produced in the stated period above

  
CERTIFIED BY STEPHEN BACHAN  
QUALITY AND ENVIRONMENT COORDINATOR

  
APPROVED BY DAVID NEUHAUS  
OPERATIONS MANAGER

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