

BUA SHARK

PORTLAND CEMENT TYPE 5

For construction work offshore and areas in which the soil has high salinity content.



Bua Shark Brand is Portland Cement manufactured in accordance with Thai Industrial Standard 15 Vol. 1-2555, Type 5, with corresponding to the ASTM C 150 TYPE 5, Bua Shark cement is highly resistant to sulfate and ideal for construction work offshore and areas in which the soil has high salinity content, as well as for grouting in foundations in areas where sulfate levels are high.

Specifications for Portland Cement Type 5

Specifications	Specifications	TIS No.15 Vol.1-2555 Type V	Typical Shark Brand
Chemical requirements			
Magnesium oxide (MgO)	Max.%	6.00	5.0
Sulfur trioxide (SO ₃)	Max.%	2.30	2.3
Loss on ignition	Max.%	3.00	2.5
Insoluble residue	Max.%	0.75	0.30
Tricalcium aluminate (C ₃ A)	Max.%	5.00	4.00
Tetracalcium aluminoferrite Plus twice tricalcium aluminate (C ₄ AF+2C ₃ A)	Max.%	25.00	22.00
Physical requirements			
Air content of mortar	Max.%	12	8.0
Fineness Blaine Air permeability test cm ² /gm.	Min.	2800	3400
Soundness Autoclave expansion	Max.%	0.80	0.40
Compressive strength, MPa Mortar cubes, in accordance with method C109			
3 days	Min.	8	18
7 days	Min.	15	23
28 days	Min.	21	33
Time of setting (Vicat test)			
Initial set, not less than	Minutes	45	100
Final set, not more than	Minutes	375	300

