

## Mixed Cement : Lotus Brand-Green
















Lotus Brand - Green is mixed cement manufactured in compliance with the Thai Industrial Standard 80-2007

This brand of cement is suitable for;

- Brick laying work
- Plastering work
- Small-scaled construction work

### Mix proportion for application

Type of application	cement	Sand	Stone	Water
Brick laying			-	
1 <sup>st</sup> coat plastering			-	
2 <sup>nd</sup> coat plastering			-	
Regular Concrete				

### Recommendation

- Water in mix proportion should be adjusted depends on volume of moisture in sand.
- Use coarse sand for brick laying and concrete work, fine sand for plastering work.
- Brick for laying should be clean and saturated with water to keep a good bond between brick and cement mortar.
- Remove dust and dirt from surface and wet with water before plastering. Concrete surface should be blast or apply glue cement-sand mortar before plastering.
- Wall surface should be cured with water to keep a strong hard surface and reduce surface cracking.

### Product specification

Specification for Mixed Cement : Lotus Brand-Green			TIS 80-2007	Test Results
<b>STANDARD PHYSICAL REQUIREMENTS</b>				
Blaine fineness (air permeability test)	Min.	Cm <sup>2</sup> /g	3200	4000
Soundness (autoclave expansion)	Max.	%	0.8	0.01
Time of setting (vicat test)				
Initial set	Min.	Minute	45	90
Final set	Max.	Minute	-	170
Air content of mortar by volume	Max.	%	12	5.0
Compressive strength (mortar cube)				
1 day in moist air, 2 days in water	Min.	MPa	6.9	11.0
1 day in moist air, 6 days in water	Min.	MPa	11.8	15.0
<b>OPTIONAL PHYSICAL REQUIREMENTS</b>				
False set (final penetration)	Min.	%	50	80