

INSEE Dang

Mixed cement for quality bricklaying and plastering works

INSEE Dang is mixed cement, manufactured from Portland cement clinker finely ground with other inert materials, which produces a mortar of high plasticity. Its specification conforms to the Thai Industrial Standard for Mixed Cement TIS 80 -1974.



Cement Qualification

INSEE Dang is suitable for masonry and plastering works where minimal mortar shrinkage and smooth finishing are required. The **INSEE dang** is also suitable for ordinary concrete works such as general housing works, concrete pavement, concrete tiles, piers, drain pipes, septic tanks, water tanks, etc.

Recommendations

- Clean the surface before plastering for better adhesion.
- Moisten the wall before plastering to avoid cracks from rapid water absorption.
- Do not directly expose the just finished plastered wall to sunlight to avoid cracks from heat and rapid water loss.
- For plastering works, curing is highly recommended especially 1-3 days after plastered (in this period plastered walls should be kept damp) in order to avoid cracks and to help concrete to develop its compressive strength.
- Keep the cement under shade and cool-dry area.
- Do not store cement for more than 2 months and once opened should be finished within 1-2 day

Mixing Proportion

Mix the volumetric proportion of **INSEE Dang**, rock gravel, sand and water as follow;

Type of Structure	Mixing Proportion (by volume)			
	INSEE Dang	Sand	Rock	Water
General Structure	1	2	4	1
Bricklaying works	1	3	-	1
Internal plastering works	1	2.5	-	1
External plastering works	1	3	-	1

Packaging

- Bag Cement 50 kg.

Technical Specification

Physical Qualifications	TIS. 80-2550	INSEE Dang
1. Blaine Air Permeability (sq.m./kg.)	≥320	465
2. Setting Time (Vicat Method)		
Initial (minutes)	≥45	90
Final (minutes)	-	190
3. Mortar Compressive Strength		
1 days (MPa)	-	5.5
3 days (MPa)	≥6.9	11.5
7 days (MPa)	≥11.8	15.0