

INSEE Dum





For more detailed product information, please scan QR code

INSEE Dum

INSEE Dum is a very high early strength Portland cement, that allows the early removal of the formwork at the optimized concrete mix design. With the optimal stiffening behavior of INSEE Dum, the concrete surface can be finished earlier to further improve the productivity in a precast factory.

The specific characteristics of INSEE Dum makes it very suitable for professional precast concrete, such as bridge segments, prestressed piles, beams & columns, and wall panels.

Physical Properties Of INSEE Dum

Cement Properties		TIS 15-2562 Type III	ASTM C150 Type III
Compressive Strength (MPa)			
1 day	Min	12	12
3 days	Min	24	24
28 days (optional)	Min	-	-
Setting Time (min)			
Initial	Max	45	45
Final	Max	375	375
Autoclave length change (%)	Max	0.80	0.80

Remark: Updated certification test report is available upon request.



Standard Specifications For Cement

- High early strength cement, compliant to TIS 15-2562 Portland Cement Type III and ASTM C 150 Type III
- Total of equivalent alkali content ($\text{Na}_2\text{O} + 0.658 \text{K}_2\text{O}$) < 0.60% to reduce the risk of alkali aggregate reaction



TIS 15-2562

Key Benefits Behavior



High productivity

- Early finishing with optimal stiffening
- Fast formwork removal by early strength development



Optimal production cost

- Optimal cement content with high early concrete strength



Long term durability

- High quality construction with dense concrete
- Reduced risk of alkali aggregate reaction

Reference Projects



Bhumibol Bridge
Industrial Ring Road Bridge



Precast Pruksa

Technical Consultancy Service



- Instructing methods for using cement and other construction materials appropriately
- Demonstrating proper ways to use INSEE products
- Advising about concrete work and other constructions
- One stop service via 1732

Notices

Packing:

- Bulk
- Big bag

Storage:

- It should be kept in dry storage, e.g., silos

Safety:

- Wear protection in case of prolonged skin contact
- Wash thoroughly with clean water in case of contact with skin, eyes, or mouth
- If irritation appears, seek medical attention



Wear Mask



Wear Safety Glasses



Wear Hand Protection



Wear Foot Protection

INSEE Bulk Cement Solutions

- **INSEE Dum**

High early strength cement for large precast elements

- **INSEE Petch**

Portland cement for ready-mixed and precast



- **INSEE Petch Easy Flow**

High workability cement for large infrastructure and concrete structures

- **INSEE Petch Quick Cast**

Precast cement with improved surface finishing

Green Heart Product For A Green World



Green Heart Label

Green Heart Label was developed by an SCCC committee to identify our most environmentally friendly products and services, which must meet seven eco-criteria. The Green Heart Label is granted according to environmental standards ISO 14021: Environmental Labels and Declarations - Self Declared Environmental Claims. The 7 GH-criteria are as follow:



Reduced Resource Use

Reduction in the amount of material, energy, or water used in producing or distributing a product, packaging, or specified associated component.



Recovered Energy

A characteristic of a product that is made by using energy recovered from material or energy that would have been disposed of as waste, but instead has been collected through managed processes.



Reduced Energy Consumption

Reduction in the amount of energy associated with the use of a product performing the function for which it was conceived.



Extended Product Life

A product designed to provide prolonged use, based on either improved durability or an upgradability feature, which results in reduced resource use or reduced waste.



Recycled Content

Proportion, by mass, of recycled material in a product or packaging.



Waste Reduction

Reduction in the quantity (mass) of material entering the waste stream as a result of a change in the product, process, or packaging.



Compostable

A characteristic of a product, packaging, or associated component that allows it to biodegrade, generating a relatively homogeneous and stable humus-like substance.



Contact us

Head Office

Siam City Cement Public Company Limited

Column Tower, 3rd, 10th, 12th Floor
199 Ratchadapisek Rd., Klongtoey,
Bangkok 10110

Telephone: (662) 797-7000

Customer Service Center 1732

E-mail: wecare@siamcitycement.com

Website: www.siamcitycement.com