

INSEE Petch





For more detailed product information, please scan QR code

INSEE Petch

Portland cement for ready-mix and precast

INSEE Petch is a high-performance Portland cement with a high strength to optimize the concrete design in ready-mix and precast and to improve the business performance. INSEE Petch offers a reliable workability behavior during transport, which improves the concrete quality at the jobsite. INSEE Petch can be used in ready-mix concrete as well as in precast elements, such as piles, pipes, culverts, blocks, and concrete panels.

Physical Properties Of INSEE Petch

Cement Properties		TIS 15-2562 Type I	ASTM C150-19 Type I
Compressive Strength (MPa)			
3 days	Min	12.0	12.0
7 days	Min	19.0	19.0
28 days (optional)	Min	28.0	28.0
Setting Time (min)			
Initial	Min	45	45
Final	Max	375	375
Autoclave length change (%)	Max	0.80	0.80
Blaine air permeability (m ² /kg)	Min	280	260

Remark: Updated certification test report is available upon request.



Standard Specifications For Cement

- Portland Cement type I, compliant with TIS 15-2562 and ASTM C150-19 type I.
- Total of equivalent alkali content ($\text{Na}_2\text{O} + 0.658 \text{K}_2\text{O}$) < 0.60% to avoid alkali aggregate reaction.



TIS 15-2562

Key Benefits Behavior



Reliable cement behavior

- Reliable slump behavior during transport
- Better compliance to strength at jobsite



Optimal concrete cost

- High cement strength allows an optimized concrete mix design to reduce costs



Long term durability

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

Reference Projects

BTS
Green Line



Expressway
Rama III



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 Petch**

Portland cement for ready-mix 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

- **INSEE Dum**

High early strength cement for large precast

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

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