INSEE Petch Easy Flow

INSEE

For more detailed product information, please scan QR code

INSEE Petch Easy Flow

High workability cement for large infrastructure and concrete structures

INSEE Petch Easy Flow is a high-performance hydraulic cement that combines superior workability with high strength development. It is designed to meet all concrete requirements while being more environmentally friendly with lower CO_2 emissions.

Its superior quality makes INSEE Petch Easy Flow suitable for the use in ready-mixed concrete, including large infrastructure projects which require high compressive strength and durability such as bridges, roads, tunnels, and high-rise buildings.

Physical Properties Of INSEE Petch Easy Flow

Cement Properties		TIS 2594-2567 Hydraulic Cement Type GU	ASTM C1157 Type GU
Compressive Strength (MPa)			
3 days	Min	13.0	13.0
7 days	Min	20.0	20.0
28 days	Min	28.0	28.0
Setting Time (min)			
Initial	Min	45	45
Final	Max	420	420
Autoclave length change (%)	Max	0.80	0.80
Mortar bar expansion 14 day (%)	Max	0.020	0.020

Remark: Updated certification test report is available upon request.

Standard Specifications For Cement

- Hydraulic Cement type GU, compliant with TIS 2594-2567 and ASTM C1157 type GU.
- Total of equivalent alkali content ($Na_2O + 0.658\ K_2O$) < 0.60%

TIS 2594-2567

Key Benefits Behavior

Ready-mix concrete producers

- Optimized cement content as INSEE Petch Easy Flow provides a high strength level with low water demand
- Better consistency in concrete workability with reduced concrete bleeding
- Less concrete reject and strength failures due to superior cement quality

On construction site

- Superior workability with good slump retention
- Fast formwork removal by efficient strength development

Long term durability

- Low alkali content of cement lowers the risk of destructive alkali-aggregate reaction in concrete

Reference Projects

New Council of Engineers
Thailand Headquarters

Supalai Icon
Sathorn

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

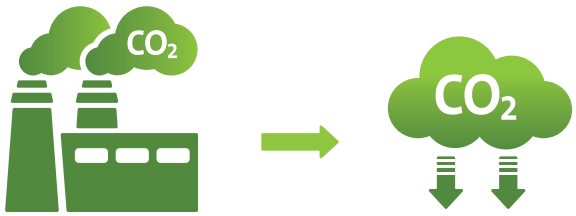
Wear Foot Protection

INSEE Bulk Cement Solutions

- **INSEE Petch 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 elements
- **INSEE Petch**
  Portland cement for ready-mixed and precast

Green Heart Product For A Green World



Insee Petch Easy Flow can reduce CO_2 emissions from an annual average production of 107,000 tons of carbon.

Equivalent to planting over 11 million tress.

Green Construction Standards and 3rd Party Certifications

INSEE Petch Easy Flow is certified with the carbon footprint and carbon footprint reduction label by the Thailand Greenhouse Gas Management Organization (TGO). With its reduced CO_2 footprint, INSEE Petch Easy Flow contributes to international and Thailand Green Building Rating Systems.

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
- Recovered Energy
- Reduced Energy Consumption
- Extended Product Life
- Recycled Content
- Waste Reduction
- Compostable

INSEE

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