

BUA DAENG Hytech Extra

Hydraulic Cement

For casting and for structural works
Environmental Friendly Products



Bua Daeng Hytech Extra is a Hydraulic cement, common type of cement in general use (GU). It is manufactured in accordance with the Thai Industrial Standards Institute's specification for Hydraulic cement, TIS 2594-2556. Bua Daeng Hytech Extra is made from eco-friendly materials and helps to reduce the carbon dioxide (CO₂) emission in the atmosphere. In addition, by implementing innovation in manufacturing processes, water-reducing and strength enhancing admixtures are added to improve the quality of concrete. As a result, the concrete made from Bua Daeng Hytech Extra has a rapid development in early strength and low level of shrinkage in concrete and suitable for casting all kinds of large concrete and various products that needs strength and durable, such as buildings, airport parking, roads, etc.

Mix proportioning for application

Lean Concrete



General Concrete Structure



Remark : Mixing proportions may be changed as appropriate for the job. And properties of concrete mixes as recommended by engineers.

Technical Data of Hydraulic Cement Type General Use (GU) ASTM C 1157

Specifications	*Remark : Pukrang / Takli Plant	TIS. 2594-2556	Typical Bua Daeng
Standard physical Requirement		Type GU	Hytech Extra Brand
Autoclave Expansion , %	max.	0.80	0.05
Time of Setting , Minute			
Initial Set	min.	45.0	85.0
Final Set	max.	420	200
Compressive Strength , MPa			
1 Day	-	-	19.0
3 Days	min.	13.0	30.0
7 Days	min.	20.0	36.0
28 Days	min.	28.0	45.0
Mortar Expansion @ 14 Days , %	max.	0.02	0.01
False set, Final penetration , %*	min.	50.0	85.0
Air Content of Mortar , %**	-	-	8.5
Blaine Fineness , cm ² /g**	-	-	4,600
Residue on sieve No. 345 (45 μm) , %**	-	-	1.5

* Optional requirement, ** Must be shown in test report

