

ปูนแกร่งเร็วชนิดยี่ง ASTM C1600 จากปูนหล่อ ปอร์ตแลนด์ ASTMC150 ด้วยการเติมปอร์ตแลนด์ แอค

Portland Acc is water soluble powder admixture to accelerating sets hardening and early strengths of Portland cement type 1 of ASTM C 150 to meet the Standard Physical Requirement of Rapid Hardening Hydraulic Cement of ASTM 1600 type Ultra Rapid Hardening (URH) as the following:

**Application:** General Cement Mortar and Concrete, Pre-stress Concretes; Post-tension Concretes; Pre Cast Concretes; Slip Forming Concretes; Road, Highway, and Runway Maintenance & Rapid Used Concretes; Rapid Hardening Shot Crete , for bridge, beam, pile, plate, pole, span etc.

**Feature:** Accelerate Hardening and High Early Strengths without decrease in Final Strengths; Decrease Working Time Eliminate curing as well as Hot Air, Hot Water, Micro-wave, Infrared or oven curing; Reduce Number of Casting Molds Needed; Normally no other admixture is needed with enough work ability and high pump-ability. Increase longer shelf life by the separation between cement and accelerator apart.

Standard Physical Requirements Type 1		URH
Portland Cement ASTM C 150	% by weight	100
Portland Acc	% by weight	1
Optimum Water Per Cement Ratio W/C (Max Total Solid Hydrated)		0.42
Compressive Strength , min, MPa (psi)	1½ h	21[3000]
	3 h	28[4000]
	1 day	35[5000]
	7 days	41[6000]
	28 days	57[8300]
Drying Shrinkage, max%	7 days	0.06
	28 days, air storage	0.07
Initial setting time range, 10 to 45 Min		~ 35
Min Time of Final Set C 191 apparatus	Minutes <sup>A</sup>	10
Autoclave, max expansion %		0.8

**Usage:** Mix-design and mixing procedure the same as other ordinary Hydraulic Cements.

Ready mixed concrete mix dry and add mixing water at the site before pouring.

**Packing:** 500 g/Pack 40 Pack/Box of 20 kg