

**PORTLAND ACC** is a non-chloride type accelerate water-reducing concrete powder admixture to create high early strength and accelerate the concrete setting time for working faster and de-molding quicker without decrease in long term final strength. When compare to the high early strength Portland cement type 3, by using ordinary Portland cement type 1 plus this admixture will have higher early strength and if mix with type 3 will have even higher strength.

**FEATURES**

- Chloride free type
- Promote high early strength
- Decrease setting and hydration times
- Decrease de- molding time
- Able to increase flow-ability
- Able to increase compressive strength
- Able to save cost from decrease cement consumption or using ordinary type 1 instead of type 3 Portland Cement

**WHERE TO USE**

- Where the faster mortar and concrete applications are needed as well as time and cost savings are advantage
- Decrease amount of forms and molds required
- Increase the efficiency of steel reinforcement in pre-stress concrete

**HOW TO USE**

Mixed dry with cement before mixed with aggregates and mixing water

**NORMAL DOSES** : 1 pack(500gm) per 1 bag(50kg) of cement

**STORAGE CONDITION**

Keep dry

**SHELF LIFE**

More than 1 year

**PACKAGING**

1 pack =500gm                      1 carton =40 packs

	Type C, Accelerating	Type E, Water Reducing And Accelerating	Typical Testing Data (1 Dose)
Water content, max,% of			
Control.....	...	95	92
Time of setting, allowable			
Deviation from control, h:mm:			
Initial: at Least.....	1:00 earlier	1:00 earlier	
Not more than.....	3:30 earlier	3:30 earlier	2:30 earlier
Final at least.....	1:00 earlier	1:00 earlier	3:30 earlier
Not more than.....	....	....	....
Compressive strength, min, %			
of control:			
1 day.....	....	....	....
3 days.....	125	125	132
7 days.....	100	110	120
28 days.....	100	110	115
6 months.....	90	100	105
1 year.....	90	100	100