

# General Purpose (GP) Cement

## Factory-manufactured Cement for General Purpose Applications

EnGro GP Cement is manufactured by mixing Ordinary Portland Cement (CEM-I) and Fly Ash material.

### APPLICATIONS

EnGro GP Cement is a multipurpose and cost-efficient cement suitable for general purpose applications not requiring the special properties of industry cements.

EnGro GP Cement is a brownish-grey material when comparing to Ordinary Portland Cement.

### QUALITY

EnGro GP Cement is manufactured from controlled proportions of Ordinary Portland Cement and specific constituent - Fly Ash, ensuring a consistent quality product.

It confirms that with an addition of ISO 9001 QEHS system in manufacturing production control including independent sampling and testing of GP Cement referencing to industry practices.

### SPECIFICATIONS

#### PHYSICAL

Items	Results
Water Consistency	31.0 %
Penetration	7.0 mm
Initial Setting Time	146 minutes
Soundness	0.0 mm
2-day Compressive Strength	25.0 MPa
28-day Compressive Strength	47.1 MPa

#### CHEMICAL

Items	Results
Sulfate as SO <sub>3</sub>	2.61 %
Chloride as Cl <sup>-</sup>	0.06 %

Reference: EnGro production test data

Note: Test data reported are typical values. Minor variation to be expected

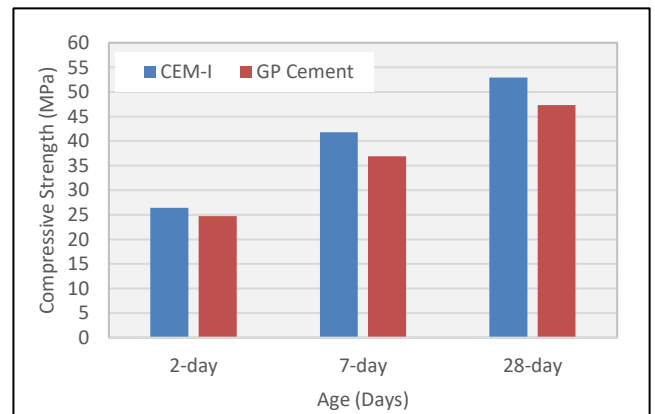
### TECHNICAL/VISUAL PROPERTIES COMPARISON

	CEM-I	GP Cement
Fly Ash content	No	Yes
Water Consistency (%)	28-29	29-34
Fineness (cm <sup>2</sup> /g)	3400-3800	3800-4500
Initial Setting (min)	120-140	140-180
28-day Compressive Strength (MPa)	52.5-62.5	38-48
Visual Color	Greyish	Brownish-grey

Reference: EnGro production test data

### CHARACTERISTICS

#### STRENGTH



#### COST per unit

