



TECHNICAL DATA SHEET

GEE COAT P-8 (CONCRETE PLASTICISER)

DESCRIPTION:

GEE COAT P-8 is an acceleration plasticizer or water reducing agent for concrete and mortar and is based on calcium chloride. It is a particularly useful for obtaining high early strength in pre-cast item such as blocks and lintels where no reinforcement is used etc. especially under condition of low ambient temperature. Ingredient of **GEE COAT P-8** is fully soluble in the solution and no respiration can occur even at low temperature. **GEE COAT P-8** is formulated from carefully selected Raw materials and is manufactured under controlled Condition to give a consistent product. It is based on naturally derived materials dissolved in a Calcium chloride solution and conforms to type W OS ASTM C494 designation

ADVANTAGES:

GEE COAT P-8 Imparts early and ultimate strength to concrete enabling forms to be stripped sooner and blocks to quickly achieve high lifting strengths. This effect is particularly useful at low ambient temperatures.

- ❖ The effect plasticizing action of **GEE COAT P-8** will give increase workability to most concrete mixes enabling easier placing.
- ❖ Water reduction in the region of 10% can be made without adversely affecting the subsequent increase in strength, impermeability and durability.
- ❖ **GEE COAT P-8** offers an improvement over most plasticizing in that it is a fully compatible system which not seed out at low temperatures which can lead to blockages of pipe lines and inconsistent results.

TYPICAL PROPERTIES:

APPEARANCE	:	Pale yellow liquid
SPECIFIC GRAVITY	:	1.34 +- 0.02 at 20 degree Celsius
AIR ENTERTAINMENT	:	Any additional air will rarely exceed 0.7%.
CHLORIDE CONTENT	:	34% approx as calcium chloride.
FREEXING POINT	:	-7 degree



STORAGE LIFE IN MANUFACTURES DRUMS	:	12 month from date of manufactures.
BULK STORAGE	:	12 month from date of delivery.
COMPATIBILITY WITH CEMENTS	:	GEE COAT P-8 can be used with all types of Portioned cement and those containing cements replacement materials.
WITH OTHER ADMIXTURE	:	GEE COAT P-8 Should not be pre- mixed with other admixtures. The performance of material may be affected by the Presenceofthe chemicals.

METHOD OF USE:

GEE COAT P-8 is supplied ready for use. It should be added to concrete mixes during the water for aggregates. It should not be added directly to the cement. No extension of normal mixing time is necessary.

ADDITION RATES:

RANGE: 1.68%-3.36% BY WEIGHT OF CEMENT. The performance Of **GEE COAT P-8** is best assessed after preliminary tests on site using the actual concrete under consideration to determine the optimum dosage and affect on properties such as ultimate compressive strength. Early rates of strength and shrinkage when these are consequence. As a guide to these trials, an addition rate of 1680 ml-3360 ml **GEE COAT P-8** per 100 kg cement because of possible deleterious effects of excessive calcium chloride.

EFFECTS OF OVERDOSING:

Overdosing of **GEE COAT P-8** will generally produce a considerable increase in workability and will shorten the setting and hardening process. Such over dosing is however, to be avoided because the maximum addition rate of **GEE COAT P-8** is equivalent to approximately 1.4% by weight of anhydrous calcium chloride based on the cement. This is level normally advised as being the maximum that should be used in cementations composition.



PRE-STRESSED AND POST TENSIONED CONCRETE:

GEE FIX P-8 contains calcium chloride and should not under any Employed in concrete when pre-stressing is to be used.

DISPENSING:

It is preferable that liquid admixtures for concrete should be introduced into mixer dispensing equipment, details of which are available upon request

TECHNICAL SERVICE:

The technical department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

STORAGE:

GEE COAT P-8 should be stored in sealed conventional containers and protected from the elements

PACKAGING:

GEE COAT P-8 is supplied in normal 210 Ltr (NW: **285 KG**) free, non returnable containers