



RAZON ENGINEERING COMPANY PRIVATE LIMITED

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AN ISO 9001-2008 COMPANY INTRAIR (A.E.A.) 120 N

Intrair 120 N is air entraining agent. It is chloride and sulphate free liquid admixture for cement mortars, most useful for mass concreting where concrete impermeability is induced by air entrainment, must for areas of mass concreting, dams, reservoirs, pre-cast concrete etc.

Addition of Intrair 120 N to the cement mortar improves workability. Since wetting properties are enhanced cohesion and plasticity is increased con-currently bleeding and segregation is reduced, leading to increased, strength. The increased strength off-sets loss of strength due to air entrainment.

Due to increase in workability honeycombing is eliminate ensuring monolithic and homogenous concrete.

The air entrainment breaks capillary channels hence improving impermeability. Intrair 120 N imparts increased resistance to alkaline salt attacks, resists erosion due to sulphate attack, and shows considerable resistance to attack of wide spectrum of chemicals.

Intrair 120 N also exhibits resistance to freeze and thaw conditions hence can be used to concrete in sub zero temperature.

150-200 ml per bag of Intrair 120 N should be added to gauging water and mixed with the concrete mix. It can be used with ordinary portland cement, or pozzolona cement.

It is mandatory that trial mixes must be made to establish dosage, and establish output parameters to input. The output parameters will be effected with dosage, type to cement, mix design, size of aggregates, type of aggregate, water cement ratio, and ambient conditions.

It would be imperative to establish workability and volume by controlling water and size distribution of sand and dust, if dust, fly ash is added for design mix. Site trials are essential.

No	PRODUCT DATA	
1	Colour	Dark Amber coloured liquid
2	Specific gravity	1.2
3	PH	7 – 8
4	Dosage	150 ml – 200 ml
5	Storage life	1 – 2 years if stored in cool dry place.
6	Packing	35 ltr carboys, 50 ltr carboys, 200 ltr carboys.
7	Sulphate/ Chlorides	Less than 0.001%
8	Test Report	Available I.S. 9103 , 1979
9	Method of use	Add to water required dosage pour into high speed concrete mixer, manual mixing does not show high degree of air entrapment.