

Polyfam® PR564B

Description

Polyfam® PR564B is a high performance AE water reducer, which can be applied to high risers and large size building requiring high strength and normal fluidity concretes.

Polyfam® PR564B complies with ASTM C 494 type A and F.

Specification

Appearance	Brownish liquid
Solids content (ISO 3251: 1h; 105 °C)	50.0 % ± 1.0 %
Density (ISO 2811)	1.11 ± 0.01
pH value (ISO 976)	6.0 ± 1.0
Viscosity (ISO 2555; Brookfield-viscometer; 20 °C)	300 ± 100 cP

Applications

Polyfam® PR564B Produces consistent concretes by protecting materials separation. Polyfam® PR564B shows excellent water reducing and thus can be used for self-compacting concretes.

Polyfam® PR564B shows better water reducing than Naphthalene and Melamine based water reducers.

Polyfam® PR564B is used and recommended for the hereunder applications.

- Skyscrapers and large size buildings.
- Self-compacting concrete structures requiring high fluidity.
- Bridges requiring high strength and durability.
- Pre-cast concrete structures with consistent concretes.
- Others such as high water reducing engineering works and structures.

Processing

Recommended dosage for different use of Polyfam® PR564B varies as follows:

- For manufacturing concretes of general strength: 0.4~1.0 weight % of Binder
- For manufacturing concretes of high strength and fluidity: 0.5~1.5 weight % of Binder

Decide a target dosage depending on mix design conditions, materials used, temperatures and mixer types.

Cautions

- Do not mix Polyfam® PR564B with other chemical admixtures
- In case of the freezing of Polyfam® PR564B, warm at 30 °C and mix it fully.
- Do not use Polyfam® PR564B for other uses except manufacturing concretes as chemical admixtures
- Wash with enough flowing water if contacted on skin or clothes.