



TRIAxis CORPORATION

THIXOTROPIC FLOW AID-RUFA

DESCRIPTION

RUFA (Reactive Ultra-Fine Fly Ash) is a new pozzolanic amorphous polymorphs additive, can improve the rheology, enhance the mechanical properties and increase the durability of cementitious material. RUFA is an inorganic silica aluminum compound. Its average particle size is 1/10 of cement particle and 10 times of silica fume particle, very good performance in pumping, thixotropic rheology and shrinkage compensation.

PHYSICAL PROPERTIES

LOI<1%

Particle shape: spherical

Specific Gravity: 2.55g/cm³

Bulk density:(densified) :0.85g/cm³, (undensified) :0.62g/cm³

Color: light grey

Activated Index (ASTM C311-02):

7days 103%



TRIAxis CORPORATION

28days 107%

56days 113%

Fineness (Laser): $d_{10} \leq 1.92 \mu\text{m}$, $d_{50} \leq 2.13 \mu\text{m}$, $d_{90} \leq 28.22 \mu\text{m}$

Specific surface (BET): $10.10 \text{m}^2/\text{g}$

CHEMICAL COMPOSITION

Chemistry	SiO ₂	CaO	MgO	Al ₂ O ₃	Fe ₂ O ₃	Na ₂ O	P ₂ O ₅	SO ₃	K ₂ O	Others
%	49.11	8.84	3.86	28.07	4.02	2.09	0.73	0.26	1.76	1.26

FEATURES

1. Reduce water demand.
2. Improve rheological properties: flowability, workability.
3. Increase the strength development after 28 days and more.
4. Decrease the capillary porosity and reduce bleeding.
5. Shrinkage compensation.

USES

1. Ultra-High Performance Concrete.
2. Corrosion resistance and abrasion resistance concrete.



TRIAXIS CORPORATION

3. Self-compaction Concrete.
4. Self-leveling mortar.
5. High performance precast concrete structures.
6. Fiber cement board.

PACKAGING AND STORAGE

1. Packaging:(undensified)40kgs/woven bag, (densified)1000kgs/bulk.
2. Store in a dry place for 12 months.

PLEASE CONTACT FOR ANY QUESTION!