



Arina Polymer

شرکت آرینا پلیمر

تولید کننده انواع اپوکسی های ساختمانی

Arina-tight RST 499

Rapid setting plugging for concrete cracks

Introduction:

Arina-tight RST 499 is a rapid setting, plugging mortar supplied in powder form. It requires only the addition of water and hardens in a matter of seconds to seal leaks, even in running water. Water flow can be stopped by mixing the product with water to a soft consistency and pressing by gloved hand into the crack.

Where to use:

Arina-tight RST 499 can be used for plugging leakage or running water in; water retaining structures, basements, lift wells, inspection pits, tunnels and underground structures.

Technical information:

Appearance	Gray powder
Chloride content	Nil
Toxicity	Non-toxic
PH	13 - 14
Specific gravity	1.40 kg./L
Compressive strength development	3 MPa. In 15 min. 6 MPa. In one hour 7 MPa. In 24 hours
Service temperature	-35 to +65 °C
Final cure	7 days at 25 °C

Advantages:

- Rapid setting, Typically 60 – 90 seconds.
- Easy to use, simply add water.
- Chloride free, no risk to steel reinforcement.
- Non-toxic, suitable for use in potable water systems.
- Premixed, giving consistent quality and results.

Surface preparation:

The substrate must be sound and free of loose particles. Remove dust, laitance, oil, grease, curing compounds, waxes, disintegrated and other bond inhibiting materials from the surface.

Mixing:

Arina-tight RST 499 can be mixed with either a clean rod or gloved hand to the desired consistency. Mix only the quantity which can be used immediately.

Mixing ratio of powder to water is 3:1 by volume.

Note:

Under No circumstances should water be increased beyond this ratio. Materials will have semi-dry mix consistency to allow for hydration to take place with leakage water.



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Application method:

To plug leaks under pressure chase out the area of the leak to a depth of 20mm and until water flow is free. Then following one of the below procedures:

1. Using gloved hand, applying the dry **Arina-tight RST 499** powder from one end, and pressing by hand into the crack until seepage stops. Then continuing through the length of crack.
2. Prepare a mortar of material by mixing powder with sufficient water to obtain required consistency. Using a gloved hand, press the mortar firmly into the leaking crack and hold it in place until set.

Cleaning:

All tools and equipment should be washed with water after each job or before break time. Cured material can only be removed mechanically.

Safety precautions:

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to skin and eyes with water immediately. If accidentally ingested, seek medical attention. Reseal containers after use.

Storage / Shelf life:

Store out of direct sunlight, and protect from extreme compaction and rain fall. The shelf life for originally unopened package is 12 months from date of production.

Packaging:

Arina-tight RST 499 is available in 1 and 3 Kg. packs.