

RUSSTECH[®]

RUSSTECH RENU

HYDRATION STABILIZING ADMIXTURE FOR CONCRETE

DESCRIPTION:

RUSSTECH RENU is a ready-to-use liquid solution manufactured to control the hydration process in Portland cement concretes and concrete wash water. This advanced set retarder coats the hydrating cement particles in the concrete and wash water, resulting in the suspension of the hydration chemical reaction. **RUSSTECH RENU** maintains the plasticity, slump, temperature, and postpones the set of the concrete for a predictable period of time. Eventually, the **RUSSTECH RENU** dosage is chemically consumed and normal hydration continues.

ADVANTAGES:

- Concrete treated with **RUSSTECH RENU** will produce normal setting characteristics and improved ultimate compressive strength performance over conventional concrete.
- Provides a quality, profitable, and reliable method to treat returned concrete for reuse or hold (for a few hours) and then reuse on the same day.
- Reduces expensive disposal costs associated with returned concrete.
- Allows reuse of concrete wash water overnight or over a weekend in many situations
- Reduces concrete wash water disposal
- Reduces amount of concrete wash water needed and truck mixer washout
- Reduces expensive disposal costs associated with concrete wash water
- Permits long haul applications for extended haul times without slump loss
- Provides extended truck discharge times
- Controls peak temperature rise in the concrete
- Reduces central mixer washout and washout water



SPECIFICATIONS:

Conforms to:
ASTM C 494 Types B and D
AASHTO M 194 Types B and D
CRD C 87 Types B and D

DOSAGE:

The recommended dosage of **RUSSTECH RENU**, for treatment of concrete wash water, is 24 to 80 ozs. (710 to 2366 mL) per truck. The specific dosage will depend on ambient temperature and desired stabilization period. The table listed below provides specific dosages for use with Type I cement:

Wash Water Stabilization Dosages (ozs./truck)		
Stabilization Period		
Ambient Temperatures	Overnight	Over The Weekend
30 F to 50 F	24 ozs.	48 ozs.
51 F to 75 F	32 ozs.	64 ozs.
76 F to 99 F	40 ozs.	80 ozs.

Concrete wash water, treated with **RUSSTECH RENU**, can be redosed *once* if the scheduling conflicts arise to extend the use of wash water as mix water.

The recommended dosage of **RUSSTECH RENU** for stabilization of returned concrete is 1 to 35 ozs. per 100 lbs. (65 to 2283 mL per 100 kg) of Portland cement. The exact dosage will depend on age of the returned concrete, returned concrete temperature, admixtures used, stabilization time period, specific materials involved, and the mix design incorporated. Contact your local RussTech technical service representative for recommended dosages and for assistance when using this product to stabilize returned concrete.

The recommended dosage of **RUSSTECH RENU** for long haul applications and extended truck discharge times is 1 to 12 ozs. per 100 (65 to 783 mL per 100 kg) of Portland cement. The exact dosage will depend on additional plastic time required, fresh concrete temperature, admixtures used, and specific materials involved. Contact your local RussTech technical service representative for recommended dosages and for assistance when using this product to stabilize concrete in long haul applications or to extend truck discharge times.

COMPATIBILITY:

RUSSTECH RENU is compatible with all types Portland cement, class C and F flyash, silica fume, fibers, approved air entraining, and water-reducing admixtures. For best results, each admixture must be introduced separately into the concrete mix.

PACKAGING:

1 quart bottles, 55-gallon drums, 275-gallon totes, and bulk delivery

STORAGE:

RUSSTECH RENU may freeze at temperatures below 35 F (2 C). Although freezing does not harm **RUSSTECH RENU**, precautions should be taken to protect it from freezing. If it should freeze, thaw at 45 F and reconstitute with mechanical agitation. **Do Not Use Pressurized Air For Agitation.**

SHELF LIFE:

18 months

VISIT US ON THE WEB AT:

www.RussTechnet.com



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"We Add The Difference"