

Litane 98

Product: **Litane 98** is an odorless white powder that freely flows, with a relatively fine particle size.

It can be used to adjust and accelerate the setting time of cementitious systems such as high-alumina cements (HAC) and alumina-portland cement blends.

Applications: Common applications for HAC and HAC/PC blends include:

- Refractory cements
- Self-leveling floor systems
- Shotcrete
- Quickset adhesives and mortars
- Rapid-repair materials

Dosage: The dosage depends on the type of cementitious system in use, as well as the cement factor of the mix design. It provides an accelerating effect increasing the rate of cement hydration at an early age.

In general dosages of 0.01%-0.05% based on total cementitious amount are sufficient for pure HAC systems, and addition rates should be increased as percentage of HAC in HAC/PC mixes is decreased.

Litane 98 is a chemical admixture containing essentially no sodium or potassium alkalis, which are known to promote alkali-silica reaction (ASR) in cementitious systems containing reactive silica minerals.

Specification:

Appearance @ 20°C	Odorless white, free-flowing powder
Li ₂ CO ₃	98%
Na	3.000 ppm
Fe	10 ppm
Ca	3.000
SO ₄	1.500
K	1.000
Cl	2.000
Mg	2.000
B	300
LOI (550°C)	0.7%
Particle size	D ₉₀ < 70 µm
Water solubility @ 20°C	1.3 g/l
Molecular weight	73.89

Toxicity/Safety Factor: May be irritating to the eyes. Not significantly hazardous for industrial or commercial applications. Refer to the Material Safety Data Sheet (MSDS) for further information on toxicity and safety.

Handling: Avoid contact with the eyes, skin and clothing. Ventilate the room well upon use. Wear protective glasses and rubber gloves. Wash hands thoroughly after use. Keep product away from strong acid.

Labelling: Xn Harmful
Xi Irritant
R&S phrases see Material Safety Data Sheet

Storage: in a dry and fresh place. Keep container close.

Packaging: 25 kg bags, 1.000kg big bags

Shipping Regulations: Lithium carbonate is not categorized under the hazardous class for shipping and transport. Shipments can be made either by air, sea, land, or rail in parcels as long as they meet the packaging terms and conditions of the carrier.

* The primary grade lithium carbonate is not designed for and shall not be used for any drug use.

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