

# SHOT - CRETE LT

Alkali-free Rapid Accelerator

## DESCRIPTION

**SHOT-CRETE LT** is a high performance alkali-free rapid accelerator for sprayed concrete. It is in liquid form and the dosage of which can be varied according to the designed setting and hardening times.

## APPLICATION

**SHOT-CRETE LT** is suitable for all applications, where high and early strength, good final strength and extremely thick layers are required.

- Temporary and permanent rock support in tunnels.
- Rock support in mining.
- Poor ground conditions.
- Tunnel linings, cement ground injection and foam concrete which need acceleration of cementitious grouts.

## FEATURES

- Quick setting property allowed with rapid work progress and construct thick sprayed concrete linings via layered application during one construction sequence. Initial setting time is 2 min to 5 min, final setting time is 3min to 10min.
- Good adhesiveness, one spray layer can be 8 mm to 150mm.
- High strength and concrete performance durability.
- Easy handling as well as facilitating accurate addition to concrete.
- Very low dust production with good working environment.
- Lower handling cost.

## TECHNICAL DATA

**Form:** Liquid

**Visual Appearance:** Beige

**Density (+20°C):** 1.43 ±0.03g/ml

**pH value (1:1 water solution):** 2.6±0.5

**Viscosity:** >400mPa.s

**Thermal stability:** +5°C to +350C

**Chloride:** Free.

**Recommended addition rate:** 3% to 8%  
of cement quantity

## STORAGE

**SHOT-CRETE LT** is stored in closed containers made out of plastic, glass fiber or stainless steel. The pack size is 205 lit/per drum. The shelf life is 8 months.

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