



for Better Quality & Durability

# DLD - Deep Lithium Densifier

## DESCRIPTION

CETEX DLD is concentrated & premium Nano-Lithium Silicate based densifier / hardener for cementitious surfaces. It is safer, faster and easier to apply. Being the smallest form of silicate it penetrates deep in the concrete to produce insoluble calcium silicate hydrate within the concrete pores. The increased surface hardness imparted by DLD drastically improves abrasion resistance, reduces liquid penetration and dusting and simplifies maintenance.

## ADVANTAGES

- No scrubbing. No flushing. No wastewater.
- Can be applied on any uncoated concrete or mortar finishes in both new as well as old constructions.
- Treated surface is breathable, but seals micro-channels in surface against chemical attack that cause corrosion.
- Resists hydrostatic pressure from negative as well as positive side.
- Helps reduce damaging ASR alkali-silica reactions and protects from weathering and efflorescence.
- Penetrates deep into the surface to improve hardness, compressive strength of surface.
- Provides better abrasion resistance than conventional hardeners.
- Reduces application time and costs of diamond polishing operations.
- Though it improves gloss and hardness, it does not reduce slip resistance.
- Treated surface is breathable, UV stable and maintains natural appearance.
- Produces a fast permanent surface gloss which improves with traffic and maintenance.
- Makes the surface better looking and dust-proof. Will not yellow, discolour, peel or flake.
- Cures quickly. Treated surface can be used within one hour of treatment.
- VOC content is nil, thus helps earning LEED points in green building.
- Reduces maintenance, cleaning costs and repairs.
- Non-flammable. Non-toxic. Low odor.
- It is economical and ready to use.

## PROPERTIES

Total Solids Content	:	8 % (approx.)
Specific Gravity at 25°C	:	1.07 +/- 0.02
pH	:	10.5-11
VOC Content	:	Nil
Flash Point	:	Non Flammable
Non Toxic	:	Yes

## APPLICATION METHODS

▶ Clean the surface before application. If there is any coating on the surface, for example curing compound, oil, dust etc., it should be removed. Fill and repair all holes, cracks and deteriorated areas. For best result, the surface should be touch dry to allow DLD penetrate the pores and react.

▶ DLD is ready to use material. It can be applied on old or new clean surface by using a low-pressure sprayer or brush.

▶ For Horizontal surfaces, apply enough diluted LD to keep the surface wet for 20 minutes. If areas dry out before that, apply more diluted LD. In hot, dry or windy conditions dampen concrete before application to prevent flash drying.

▶ For vertical surfaces apply from the bottom and move upwards. For maximum penetration and desired coverage rates, a wet-on-wet application is recommended; retreat within three to five minutes after initial application. Repeated applications should be made until the surface remains moist for a minute or so before solution disappears.

▶ Restrict movement on treated surface for at least 1 hour. Painting on treated surface should be done after 2 days.

## PACKING

CETEX LD is available in 50 kg carboy or 220 kg plastic barrel.

## STORAGE

When stored in an airtight, sealed container in normal conditions has a shelf life of 12 months from date of shipment.

**LIMITED WARRANTY INFORMATION – PLEASE READ CAREFULLY** -The information contained herein is offered in good faith and is believed to be accurate. However, because conditions and methods of use of our products are beyond our control, the results obtained may differ depending on usage or workmanship.