

# Concrete Densifier Quick Guide — Toronto 2026

A one-page reference from Polished Floors. Print and keep with your floor maintenance docs.

## What a densifier does

Reacts with calcium hydroxide in concrete to form calcium silicate hydrate (CSH), which fills pores, hardens the surface, and prepares the slab for polishing.

## The 3 chemistries

1. Lithium silicate — fastest reaction, smallest particle, best for dense commercial slabs. ~\$0.45 to \$0.80 per sq ft.
2. Sodium silicate — oldest formulation, cheapest, leaves more residue, best for residential basements. ~\$0.20 to \$0.35 per sq ft.
3. Potassium silicate — middle ground, fast cure, good for mixed-use spaces. ~\$0.30 to \$0.55 per sq ft.

## When to apply

After the 200 grit polishing pass, never on green concrete (under 28 days). Apply to a saturated, not flooded surface. Burnish in after dry.

## Red flags

- Whitish residue means too much product and not enough buff.
- No sheen at the 800 grit step usually means densifier was skipped or under-applied.
- Floor still dusts after polishing? It was never densified properly.

## Toronto / GTA

Polished Floors — [polishedfloors.ca](http://polishedfloors.ca) — concrete polishing across the GTA