



Power Troweling Aid and Curing Agent

It's like having an extra finisher on the job.

Features & Advantage

Lythic DAY1 offers a multitude of advanced features and benefits for freshly placed concrete, and provides long-term high performance properties to treated concrete surfaces.

(a) Finishing Aid

- Lubricates for more efficient closing of surface
- Speeds finishing
- Extends surface workability time by 15 to 30 minutes
- Helps finishing under hot, dry, sunny & windy conditions
- Reduces operator fatigue and trowel wear
- Easier application of shake-on hardeners for concrete with high air content / low bleed water environments

(b) Concrete Curing

- Reduces Water Vapor Transmission Per ASTM F1869 - (MVER)
- Mitigates Volume of Water Vapors Per ASTM D 4263

(c) Hardening & Densification

- Increases abrasion resistance
- Creates a denser, less permeable surface for resistance to liquid penetration, staining
- Increases impact resistance
- Increases surface compressive strength approximately 20% - 30%

(d) Efflorescence & Surface Defects

- Colloidal silica chemical reaction reduces $\text{Ca}(\text{OH})_2$ migration

- Reduces efflorescence on both colored & standard concrete
- Minimizes checking, crazing & scaling
- Decreases potential for alkali silica reaction - *(ASR)

(e) Curling Reduction

- Reduces potential for slab curling

Use It For

- ALL trowelable surfaces
- Interior & exterior
- From warehouses to parking decks

Don't Lose The Slab

Finish better and easier with DAY1 from Lythic Solutions. This new type of troweling aid meets your most different finishing challenges.

- Extends finishing time from 15 to 45 minutes
- Lubricates trowel - less wear on blades, less fatigue for operator
- Slows surface drying - closes better, finishing smoother

DAY1 Troweling Aid and Curing Agent improves concrete during finishing.

Application is simple:

1. Spray on a modest amount and trowel into surface
2. The power-trowel may speed up, because drag on the blades is reduced by DAY1
3. It begins reacting instantly, and can slow down the drying effects of wind, heat, low humidity and similar adverse conditions

Improve Concrete During Finishing

Now, you can improve the quality of your concrete right from the beginning. DAY1 gets troweled in during finishing and becomes a permanent part of the concrete, strengthening the slab and reducing water vapor transmission. DAY1 helps cure the slab, like a liquid membrane-forming curing compound, even though DAY1 does not form a membrane, film or residue, and there is nothing to remove afterwards. DAY1 closes the pore structure near the surface, so water stays in the concrete longer, allowing for improved curing. To give your customers better concrete, DAY1 should be part of every troweled slab.

Don't Add Water

With DAY1, you don't need to "bless the slab" with excess water to keep it workable. Water weakens the concrete and causes dusting. DAY1 strengthens the surface and prevents dusting.

Details

DAY1 is shipped as a concentrate to reduce environmental impacts and shipping costs. It's easily mixed with water in a 4:1 ratio. Spray on and continue to finish the slab normally, but with less sweat.

Working solution covers for

Finishing Aid:6-17 m² / L &

Performance Concrete:6-7.5 m² / L

Note: When applying multiple times or using in combination with other colloidal silica treatments, total combined applications should not exceed (3.7L/m²)



Contractors describe DAY1

"like having an extra finisher on the job."

TESTIMONIAL: Testing at Middle Tennessee State University (MTSU) of DAY1 as a Troweling Aid & Curing Agent

RESULTS "The concrete with DAY1 was finished last, yet it came out the best, and I believed I could have even worked on it longer if I had needed to. There was very little resistance, and the concrete was still workable. I was able to use the power trowel with a lower pitch. All holes and low spots filled easily. There was no tearing of the fine aggregates, so the slab was easier to get on earlier and stay later without issues. I believed I could have troweled DAY1 sections only three times instead of four with the same results. And I could have waited longer before final finish if I wished, but that was unnecessary."

~ Ed Kowalski, Quality Concrete & Conscapes



Finished with Lythic's DAY1



Finished with water

Important Note: Lythic Day 1 is designed to be floated or trowelled into the concrete surface. **DO NOT** Spray on the Concrete surface after troweling. Lythic Day1 is **NOT** a film forming cure for concrete.