

DAY1 Trowelling Aid Technical Data

The basic performance characteristics

- Densifies the surface
- Reduces porosity
- Strengthens and hardens the surface
- These things will all produce a better polish and a better performing surface
- Reduces or eliminates dusting and efflorescence
- Increases the resistance to abrasion

The delay at the surface is not an actual delay on the setting of the concrete. It prevents the surface from drying out prematurely. This is sometimes referred to as “False Set” where the surface concrete has crusted and the concrete underneath is still soft. Finishing concrete like this can cause delamination

More for the slab

- Saw cuts are less likely to spall
- Combats ASR from alkali aggregate, glass aggregate
- Reduces ingress and damage from deicing salts
- Improves Freeze/Thaw resistance
- Keeps cold joints active

In cold (and hot) weather

- Dry air and extreme temperatures can affect the finishing of the surface.
- DAY1 will produce more workability at the surface, lubricating the trowels and the surface.
- Will reduce checking, crazing, cracking, and curling caused by premature evaporation of surface water

Improves the surface

- Finish will be more consistent
- Curing will be more consistent throughout the slab since the bleed water will be slowed and more consistent. The water will allow the concrete to hydrate and cure properly

- Bleed water will be consistent and will not produce uneven puddles at the surface

Day 1 by Solomon Colors – summary of benefits

For the finisher

- Trowels glide instead of dragging. The trowel gains RPM. Less wear and tear on the blades. The Concrete doesn't "tear"
- The edges are easier to finish.
- It should require less passes to closeup the surface – ex: 4 passes instead of 6
- Replaces water as a finishing aid when "blessing the slab." Extra water is damaging to the w/c ratio

Color Hardener / Dry Shake

- Aids in the finishing of Shake-Ons
- Promotes the bonding between the shake-on and the concrete base
- Reduces efflorescence in colored concrete

Mixing:

- Day1 Ready to use product requires no mixing
- Day1 Concentrate requires four equal parts added to it to be used.

Coverage:

- 12-24 m² per litre of Ready to use Day1 when used as a finishing aid (5litres will cover 60-120 m²)
- 6 – 12 m² per litre of Ready to use Day1 when used for Performance Concrete. (5 litres will cover 30-60m²)

Application:

- Use a mechanical sprayer with either a cone or fan shape nozzle to apply an even coating as recommended above.
- Works with sprayers on Ride-on power trowels
- Clean up with water
- As a Finishing Aid Day1 should be applied when needed to help finish concrete. Once applied it needs to be worked into the concrete by floating or finishing either by hand or mechanically. Typically, 1,2 or 3 applications worked into the concrete will provide high levels of finishing, n.b. only apply the recommended coverage rates as a total not as each application, e.g. if you apply two applications you will use half the volume for each application.

- For Performance Concrete, apply the first coat at you are about to bull float the surface at a rate of 6m²/litre then apply more applications as you trowel the surface. n.b. only apply the recommended coverage rates as a total not as each application, e.g. if you apply three applications you will use one third of the volume for each application.

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