



ALCHEMCO®

SUSTAINABLE WATERPROOFING

TRAFFIC COATING

3-6 YEARS

Short-term

Multiple Application

Material Only Warranty

8 - 10 Crew Members

Aesthetically appealing

No Certification

Weeks of Downtime

CRETEPRO SYSTEM

DESIGN LIFE

Long-Term

One Application per design life

Material Only Warranty

2 Crew Members

No change to Aesthetics

No Certification

Minimal Downtime

TECHCRETE SYSTEM

DESIGN LIFE

Long-term

One Application per design life

Labor & Material Warranty

2 Crew Members

No change to Aesthetics

Certified Applicators

Minimal Downtime

SUBSURFACE VS COATINGS



Surface Coatings are specifically designed to have a short-term service life, after which the deteriorated coating materials must be removed from the concrete surface, before a new coating system can be applied. This generally involves destructive removal, such as shot-blasting or grinding the old coating off the surface of the concrete slab. This cycle will repeat itself several times over the life span of the structure

This comparison sheet is a tool to help you compare two different kinds of waterproofing systems.

MAIN FEATURE COMPARISON	COATING	ALCHEMCO
Acrylic Life Expectancy ¹	2-3y	Design Life
Urethane Life Expectancy ¹	3-5y	Design Life
Polyurea Life Expectancy ¹	7-10y	Design Life
Delamination/Damage/Debonding	Yes	No
Seals Existing* Cracks	Yes	Yes
Seals Future** Cracks	No	Yes
Increases density of the Concrete	No	Yes
Curing Times	Yes	No
Dew Point Restrictions	Yes	No
Warranties	Limited Material Only	Labor & Material
Re-application	Yes	No

*Existing Cracks up to 2.0mm wide

**Future Cracks up to 0.4mm wide

¹Based on an average; two coat minimum system; **without** environmental hazards, mechanical damage, and normal wear and tear of the **intended use** of the structure.



7+ DAYS VS 2 DAYS

This comparison sheet is a tool to help you compare **TRAFFIC COATING SYSTEM** application vs. **SUBSURFACE MEMBRANE SYSTEM** application.

**10,000sqft area Reference preparation for both systems are of same variable timing.*

		COATING			ALCHEMCO
Day 1	Primer Application	1 Day	Day 2	Spray Product	1 Hour
	Primer Cure	3-5 Hours		Water after 1hr	1 Hour
Day 2	Base Coat Application	1 Day	Day 1	Treat Cracks & Accelerator	1-2 Hours
	Base Coat Cure	12 Hours		Water after 1 hr	1 Hour
Day 3	Mid Coat Application	1 Day	TOTAL TIME:		2 Days
	Sand Broadcast & Backroll	3-5 Hours			
	Mid Coat Cure	6-8 Hours			
Day 4	Top Coat Application	1 Day			
	Backroll	3-5 Hours			
Day 5+	System Cure Time	36 Hours			
	Crew Size	8			
	Trafficability	4-5 Days			
TOTAL TIME:		7* Days			

*Please note that weather conditions, dew points, and mechanical issues negatively effect the time. Typical downtime is 14 days for an average traffic coating to be applied but on occasions it can be applied within the 7 day period; weather and mechanical permitting.

Alchemco systems are easily applied in rapidly changing environments and do not require ANY kind of heavy equipment for application.

100,000SQFT AREA REFERENCE



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MATERIALS	COATING	ALCHEMCO
Pallets of Material	52*	3
Heavy Equipment	Yes	No
Respirators	Yes	No
Spike Shoes	Yes	No
Weight added to Structure	2lb per sqft	0.25lb per sqft
Hazardous Waste Costs	Yes	No
Recyclable	No	Yes
Recyclable Containers	No	Yes



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ALCHEMCO CLEAN & REPAIR

*approximate amount based on average number of comparable traffic coating systems