



Cadman's SlabTech™ is the ultimate slab on grade mix design.

- Increase the value and quality of your slab while saving money.
- Water-repellant & built-in fiber reinforcement means no visqueen barriers.
- Designed in 2 slumps for ease of placement, workability and pumpability.
- Reinforced to reduce cracking, lower permeability and increase wear resistance.

CASE HISTORY

- Willows Commerce Park Phase II and III - Redmond, Washington
- Contractor - OPUS N.W. - Concrete Subcontractor - Donovan Brothers
- Total Ft³ SOG - 287,536 - Cost Savings to Contractor - \$ 34,504.32

VALUE. STRENGTH. SLABTECH™!

Cadman Lab Systems™ has developed a concrete mix designed specifically for slab on grade applications. Slab Tech™ incorporates a premium designed concrete mix with high quality ingredients including a water repellant admixture and a high range water reducing admixture. By combining these ingredients Slab Tech™ will increase the value and quality on your next slab and save you money.

The benefits include: Removal of Visqueen as a vapor barrier: Visqueen increases the amount of bleed water which can significantly affect the slabs finishing time and increases waiting time for your finishers. Visqueen increases cracking by increasing shrinkage as the slab dries more rapidly on the surface. Visqueen will increase curling and lower compressive strengths by as much as 30%. Visqueen is time consuming and costly to install and can be damaged during installation or during the pour. ACI 301 recommends up to 4" of a base material when using Visqueen which can be eliminated using Slab Tech™.

Water repellant concrete: Along with the water repellant admixture, Slab Tech™ is designed at a .41 water / cement ratio reducing bleed water which reduces capillaries in the concrete for water migration.

Designed at a 6" maximum slump for ease of placement: Slump can be reduced for laser screed applications or on request.

Increased workability and pumpability, Slab Tech™ incorporates Class "F" Fly Ash and a high range water reducing admixture which improves placing, finishing and pumping of the mix.

Built In Reinforcement: Slab Tech™ incorporates fiber reinforcement which reduces cracking, permeability, and increases wear resistance.

PER SQUARE FOOT COST COMPARISONS *Accurate Estimating: Slab Tech™ pricing includes admixtures.*

SOG with Vapor Barrier and Wire		Slab Tech™ SOG	
4000 PSI Concrete	\$ 0.75	4000 PSI Premium Slab Tech™	\$ 1.04
Visqueen and Installation	\$ 0.04	Water Repellant Admixture	<i>included</i>
2" Sand Base and Installation	\$ 0.22	Water Reducing Admixture	<i>included</i>
Welded Wire Fabric +	\$ 0.15	Fiber Reinforcement	<i>included</i>
Installation Estimated cost per ft ² *	\$ 1.11	Installation Estimated cost per ft ² *	\$ 0.99

**Can increase dramatically if problems are encountered with barrier, base or wire.
NOTE: These costs are based on a standard 4" thick slab.*

Total est. cost per square foot: \$ 1.16 Total est. cost per square foot: \$ 1.04

SLAB TECH™ SPECIFICATIONS

<u>Mix Design - ST 60</u>	Type I - II Cement	.....	480 lbs.
	Class "F" Fly Ash	.....	150
	Sand	.....	1357
	Aggregate	.....	1900 lbs.
	Water	.....	260
	Water Repellant Admixture	.....	19 oz./yd.
	Water Reducing Admixture	.....	32 oz./yd.
	Fiber Reinforcement	.....	1 1/2 lbs./yd.
	Slump	.....	6" +/-
	Water / Cement Ratio	.....	0.41
<u>Strength & Shrinkage</u>	F'c Compressive Strength		
	3 Day	.....	3000 PSI 28 Day 5400 PSI
	7 Day	.....	4000 PSI 56 Day 5700 PSI
	Flexural Strength	.....	700
	Shrinkage	.....	0.042
<u>Slab Tech™ Mix Codes</u>	6" Slump +/-1"	.....	ST60
	4" Slump +/-1"	.....	ST40

* Weights may vary due to changes in specific gravities.

ASK FOR SLAB TECH™...THE ULTIMATE INTERIOR SLAB ON GRADE MIX DESIGN.