



Cadman's Pro-Flow is controlled density fill for backfill projects.

- Pro-Flow is a series of 6 specialty mixes designed to replace conventional compacted back-fill.
- Fast set times, even in cool, wet soil conditions, mean less inconvenience.
- Designed to reduce labor costs. No compaction required (except for Dry-Pack).
- Remains excavatable for the life of the project.
- Designed to be flexible. This series of mixes will meet all of your specific back-fill needs, with set times to meet your specific job site requirements.
- Excellent stability for even tough pumping demands. Designed to be flowable, cohesive and non-bleeding.
- Flowability allows for ease of placement and compaction in areas where standard back-fills simply cannot be used (i.e., pipes, cables, etc.).

GO WITH THE FLOW ... PRO-FLOW!

	Pro-Flow™ 10" Slump	Pro-Flow™ Pour & Pavé 5" Slump	Pro-Flow™ General Fill	Pro-Flow™ 4" Pump	Pro-Flow™ 2" Pump	Pro-Flow™ Dry Pack
MIX NUMBER	110021	110031	110020	110022	110023	110030
Description & Advantages	Flowable, cohesive, non-bleeding mix for fast set applications. Ideal for jobs where roads need to open quickly.	Same as 110021 but slightly drier to reduce set times	Flowable, cohesive, non-bleeding mix that meets a wide range of trench and surface work fill needs. Non-traffic use.	Designed for excellent pumpability through 4" lines.	Designed for excellent pumpability through 2" lines.	Pave instantly after compaction. Can be stockpiled on jobsite. Avoid steel plates on projects.
Set Time: Wet Soils						
65° or >	5-7 hours	3-5 hours	5-8 hours	6+ hours	6+ hours	After Compaction
45° - 64°	6-8 hours	4-6 hours	6-10 hours	12+ hours	12+ hours	
Excavatability	Machine (Backhoe) Removable Strength Cap < 200 PSI	Machine (Backhoe) Removable Strength Cap < 200 PSI	Hand / Machine Strength Cap < 100 PSI	Machine (Backhoe) Removable Strength Cap < 200 PSI	Machine (Backhoe) Removable Strength Cap < 200 PSI	Hand / Machine Strength Cap < 100 PSI
Cement (lbs.)	125 to 150	125 to 150	75 to 100	50	30	n/a
Fly ash (lbs.)	0	0	0	350	700	330
Stable Air %	22	22	25	20	18	n/a
Unit Wt (lbs.)	112.3	129.8	115	112	110	154
Sand (lbs.)	2577	3532	2500	2500	2500	3800
Water (gals.)	35	1	32	34	35	0
Slump before Admixture	Estimated 1"	Estimated 1"	Estimated 1"	Estimated 1"	Estimated 1"	n/a
Slump after Admixture	Estimated 10"	Estimated 5"	Estimated 7"	Estimated 7"	Estimated 7"	0"
Compaction	Not Required	Not Required	Not Required	Not Required	Not Required	Required
* Admixture is added at the jobsite. To achieve guaranteed mix strength, the recommended <u>full</u> dosage of admixture must be used.						Delivery or Pick-up by Dump Truck
Controlled Low Strength Materials (CLSM) or Control Density Fill (CDF), as referred to by ACI Committee 229-R-94, is material typically having compressive strength less than 300 PSI. A CLSM compressive strength of 50 to 100 PSI equated to an allowable bearing capacity of a well-compacted soil. Sources: Cement: ASTM C-150 / AASHTO M-85, Type 1 / Fly Ash: ASTM C-168, Class F Aggregates: WSDOT Pits A-189, D-76, D-100, D-309, D-191, A-455, C-2 or C-7						