



How to Mix NanoTechCrete

Graphene concrete additive · Made in the USA · Patent pending

NanoTechCrete is graphene already pre-mixed in a water-based liquid (no powder, about 8.6 lb/gal). Dose it at **5% of the cement weight**. At that dose, independent third-party testing (2023) measured **67% higher compressive strength** than the same mix without it.

The rule for any size: NanoTechCrete = cement lb × 0.05 · Total liquid = cement lb × 0.45 · **Water = total liquid – NanoTechCrete**

5% of the cement only, not 5% of the whole mix. NanoTechCrete counts as mix water, so cut the water by its weight. Example: 10 lb cement → 0.5 lb NanoTechCrete + 4.0 lb water.

Step by step

- Weigh the NanoTechCrete:** 5% of the cement weight. Shake or stir the container first.
- Measure all of your mix water**, using the reduced amount from the tables.
- Stir the NanoTechCrete into the water** until the color is even.
- Add that liquid to the dry mix** (cement, sand and stone, or bagged mix).
- Mix 5–10 minutes** until it looks the same throughout. Scrape the sides once.
- Place, finish and cure as normal.** Keep it damp while it cures.

Safety and tips

- Wear gloves and eye protection. Wet cement can burn skin and eyes. Follow the SDS.
- Cure as normal; keep the concrete damp and protected.
- Run a small trial batch first and compare it with the same mix without NanoTechCrete.
- Weigh small amounts in grams; cup amounts are a guide only.
- Keep NanoTechCrete in its closed container until use.

Premixed concrete bags (sand, gravel and cement in the bag)

Per bag	50 lb bag	80 lb bag
Estimated cement*	about 8.3 lb	about 13.3 lb
NanoTechCrete	0.42 lb (189 g), about ¾ cup	0.67 lb (302 g), about 1¼ cups
Total liquid	3.75 lb	6.0 lb
Water to add	3.33 lb, about 6½ cups (0.4 gal)	5.33 lb, about 10¼ cups (0.64 gal)

*Estimate: bags don't print their cement content, so this assumes a 1:2:3 mix (cement ≈ bag weight ÷ 6). If the bag gives its own water amount, use it and take away the NanoTechCrete weight.

Portland cement bags (no sand or gravel: paste, grout)

Per bag	50 lb bag	80 lb bag	94 lb bag (standard US)
NanoTechCrete	2.5 lb (1,134 g), ≈0.29 gal	4.0 lb (1,814 g), ≈0.47 gal	4.7 lb (2,132 g), ≈0.55 gal
Total liquid	22.5 lb	36.0 lb	42.3 lb
Water to add	20.0 lb, ≈2.4 gal	32.0 lb, ≈3.8 gal	37.6 lb, ≈4.5 gal

1 cubic yard (1:2:3 mix, 670 lb cement)

Ingredient	Without NanoTechCrete	With NanoTechCrete
Cement / sand / stone	670 / 1,340 / 2,010 lb	670 / 1,340 / 2,010 lb
NanoTechCrete	none	33.5 lb, about 3.9 gal
Water	301.5 lb, about 36 gal	268 lb, about 32 gal

Results vary with mix design, materials, dose and curing. This sheet is a general guide and doesn't replace proper mix design, engineering review or applicable building codes.