



CP-50 ADMIXTURE CONCENTRATE

TECHNICAL DATA SHEET



Updated: February, 2024.

PRODUCT DESCRIPTION

CP-50 Admixture Concentrate is a concentrated version of our renowned CP-25 Admixture, offering you unbeatable value. With just 1 gallon of CP-50, you can mix 5 gallons of CP-25, making it a cost-effective and space-saving solution for your construction projects. Whether you're setting ceramic, porcelain or natural stone tile that requires higher bond strength, CP-50 Admixture Concentrate is the answer you've been searching for. By incorporating CP-50 Admixture Concentrate into your construction process, you'll experience a noticeable improvement in the overall performance and durability of your projects.

Available in 1 & 5 gallons

INDUSTRY STANDARDS AND APPROVALS

ANSI: [Thin-Set Pro](#) can meet ANSI A118.4 requirements if combined with CP-50 Admixture Concentrate, [Multi Pro](#) can meet ANSI A118.11 requirements if combined with CP-50 Admixture Concentrate.

VOC: SCS Indoor Advantage Gold

WHERE TO USE

1 When mixed with [Thin-Set Pro](#)

- Most interior residential floors and most interior commercial floors.
- Porcelain, quarry, natural stone tiles, mini-brick, pre-cast terrazzo and most other vitreous tiles.

2 When mixed with [Multi Pro](#)

- Interior and exterior residential and light commercial installations.
- Installation of non-vitreous tile (high water absorption) and some .
- Installation of ceramic, quarry, pavers, brick, cement-based precast terrazzo, and natural stone in floor and wall applications, and installation of some vitreous (low water absorption) tile (porcelain tile) in floor applications.

SUITABLE SUBSTRATES

- Concrete (Cured for at least 28 days).
- Masonry cement block, brick, cement mortar beds, and leveling coats.
- Cement backer units (CBUs) - *reference manufacturer's installation guidelines.*
- Exterior grade plywood (EGP) - *Interior use only.*
- *Reference respective thin set technical data sheet for a complete list of suitable substrates.*

Always do a test with the bonding mortar to verify the suitability of the bond to the substrate.

Reference NTCA Reference Manual for installation recommendations, including those concerning substrates not listed.

LIMITATIONS

- Install only at temperatures between 50° F and 95° F.
- Do not use moisture-sensitive stone (some limestone and green granite), agglomerate tiles, or resin-backed tiles.
- Do not bond directly to hardwood, particle board, parquet, cushion, sponge-backed vinyl flooring, metal, fiberglass, plastic, or OSB panels.

SURFACE PREPARATION

- All surfaces should be frost-free and between 50° F and 95° F, structurally sound, clean, hard, and free from dirt, dust, sealers, or any other bond-breaking contaminants.
- Concrete slabs must be fully cured (28 days), structurally sound, and dimensionally stable.
- All materials should be acclimated to job site conditions and protected from direct sunlight prior to use.
- **Substrate prep should comply with ANSI A108.01 "General Requirements: Subsurfaces and Preparations by Other Trades."**
- *Consult TCNA method EJ-171 for expansion joint placement.*

MIXING

- 1 Ensure use of a clean mixing container.
- 2 Shake the CP-50 Admixture container well before use.
- 3 Add 1 qt (0.95 liter) of CP-50 Admixture Concentrate to 5 quarts (4.7 liters) of clean and cool water and use as a direct replacement for the water requirement of Thin-Set Pro or Multi-Pro. **Additional water can be added until the desired consistency is achieved.*
- 4 Refer to the respective technical data sheet for the thin set being used for detailed mixing instructions.

- >> **Cold Weather Note:** The setting of cementitious mortars and grouts slows concurrently as the temperature drops from 50°F to 35°F. At 35°F it almost ceases. When these conditions occur, additional time must be allowed for the cement bonding materials to sufficiently harden before traffic is allowed. Do not allow mortar or grout to freeze, and do not apply when the substrate is frozen.
- >> **Hot Weather Note:** Hot weather, or any combination of high air temperature, low relative humidity and wind velocity, increases the tendency for dry shrinkage cracking of mortars and grouts, poor physical strength of the cured setting materials from the higher levels of water used during mixing, improper curing and decreases the durability of the installation. Substrates exposed to direct sunlight will have increased temperatures resulting in a rapid loss of workability increasing a mortar's tendency to skin over and dehydrate prematurely and fail to achieve its design strength.

Be aware that it is the temperature of the tile products, bonding materials and substrate that counts, not just the air temperature.

APPLICATION (Refer to current ANSI A 108.5 specifications and TCNA handbook guidelines)

- 1 Refer to the respective technical data sheet for the thin set being used for detailed instructions.

CURING

- The initial set and full cure length depend on climate conditions, usually 24 to 48 hours.
- Allow 72 hours after installation before allowing traffic.
- Allow for proper curing before application of grout.
- DO NOT accelerate the curing of this material with mechanical fans or heating devices.

TECHNICAL INFORMATION	
Shelf Life	1 Year
Storage	Tightly closed container in a cool, dry and well-ventilated area
VOCs (SCAQMD Rule #1168)	≤ 0.5 mg/m ³

COVERAGE

- Refer to the respective technical data sheet for the thin set being used for coverage information.

ANSI SPECIFICATIONS

- Refer to the respective technical data sheet for the thin set being used for performance information.

ENVIRONMENTAL INFORMATION

CementPro is committed to environmental responsibility in products produced and manufacturing practices. For information on CementPro's commitment to sustainability and transparency and how CementPro products may contribute to green building standards and certification systems, contact sustainability@cementpro.com or visit www.cementpro.com/sustainability.

// KEEP OUT OF REACH OF CHILDREN //

PRECAUTIONARY STATEMENTS

- Avoid direct contact and wash exposed skin areas promptly with water.
- If any material gets into the eyes, rinse immediately and repeatedly with water, and seek prompt medical attention.

For detailed information on how to use and handle this product safely, see the [Material Safety Data Sheet](#).

LEGAL NOTICE

This Product Data Sheet has been prepared in good faith based on information available at the time of publication. It is intended to provide users with information and guidelines for properly using and applying the covered CementPro brand product(s) under normal environmental and working conditions. Because each project is different, CementPro cannot be responsible for the consequences of variations in such conditions or unforeseen conditions.

WARRANTY

Every CP-50 Admixture Concentrate purchase enjoys a standard 1-year limited warranty, safeguarding its quality and performance. Unlock the full potential of your project with our extended 25-Year System Warranty! Use CP-50 Admixture Concentrate as part of a complete CementPro installation system and qualify for this extended coverage. Head to <https://cementpro.com/warranty/> for complete details on the standard warranty and the 25-Year System Warranty specifics. At CementPro, we stand behind our products and your satisfaction.



FOR WARRANTY QUESTIONS

Write to: 3929 E Guasti Rd, Unit C Ontario, CA 91761

Call: (951) 300-0300 Ext. 600

Email: Warranty@cementpro.com