

W501 Level Tech

Polymer modified, fast-setting, self-leveling mortar for concrete roofs and floors applications of 1/8” to 1” thick. The fluid mortar seeks its own level producing a smooth, hard, flat surface that eliminates bond failure in installation, and rapidly develops high strength.

FAST DRYING · eco friendly · POLYMER PLUS TECHNOLOGY

Atributes

- Polymer modified
- Fast drying
- Eco friendly

Uses

WECO® W501 Level Tech™ is a polymer modified fast-setting self-leveling mortar for concrete roof and floor surfaces. It turns into a free flowing mortar that seeks its own level and produces a smooth, hard, flat surface, by just adding water. WECO® W501 Level Tech™ eliminates bond failure in the installation, and rapidly develops high strength saving time and labor. It is designed for pours of 1/8” to 1” thickness in a single application.

Quality Standards

ASTM: Exceeds performance requirements of ASTM C-109
LEED Program*: MR 5 Credit, Regional Materials / Up to 2 points

* *The use of this product manufactured by Weco® can help provide valuable points for certification according to the LEED standard (Leadership in Energy and Environmental Design) of projects in the categories mentioned above. The points are awarded based on the contributions of all the materials used in the project.*

Product Performance

ASTM Standard	
Compressive Strength (ASTM C-109)	4400 psi @ 28 days
Initial Set Hours (ASTM C-191)	90 minutes @ 70ºF
Final Set Hours (ASTM C-191)	3.5 hours @ 70ºF
Flexural Strength (ASTM C-348)	850 psi @ 28 days
Tensile Strength (ASTM C-190)	420 psi @ 28 days
Bond Strength (ASTM C-393)	400 psi @ 28 days

Packaging

Product Code	Size and Color	Yield
WE0811207	Bag / 50 lbs / Gray	Approximately 48 square feet per 50 lbs bag @ 0.125 inch
WE0811205	Pail / 40 lbs / Gray	Approximately 38 square feet per 40 lbs pail @ 0.125 inch

Surface Preparation

1. Surfaces must be structurally sound, clean and free of dust, loose particles, oils, surface hardeners, paint and other anti-adherents such as wax, sealers or any other foreign material before application.
2. Concrete: Concrete should be fully cured (28 days). Surface must be rough to ensure a good adhesion and should not be subject to hydrostatic pressure.
3. Special Surfaces: When working over smooth surfaces like terrazzo, marble, quarry tiles or ceramic, the area must be roughened by mechanical abrasion, or a bond enhancing primer, such as WECO® W160 Prime2 Bond™, should be used.

Mixing

1. In a clean mixing container, add approximately 1 1/4 gallons of clean water for each 40 lbs of WECO® W501 Level Tech™ material.
2. Add WECO® W501 Level Tech™ to clean water and mix slowly. Mix until obtaining a fluid consistency without globs.
   Note: If more water is needed, add a small amount and continue mixing until the desired consistency is achieved. Do not exceed a volume of 1.5 gallons (4.5 L) of water per bag of 40 lbs of material.
3. To accentuate your project, add the desired color directly to the mixing water, following the instructions of the concrete dye manufacturer.
4. Wash your hands and tools with water immediately after use.

Application

1. Apply product by pouring unto the surface. The mortar will seek its own level.
2. If a second coat is needed, apply as soon as product turns hard enough to be walked on. If the first layer has dried for more than 12 hours, apply a concrete bond adhesive, prior to applying the second layer of self-leveling mortar.

Curing and Protection

Proper curing increases the strength and durability of the mortar. Apply WECO® W800™ or water gently with a sprayer, brush or roller after finishing, and while the surface of the mortar has hardened but is still fresh. Curing should continue for a period of 5 days in warm climates [70˚F (21˚C) or greater].

Caution

Please refer to the Safety Data Sheet (SDS) for safety data.

Warranty

Our liability regarding this product is limited to its replacement or its refund value should it not comply with our specifications and does not include any application costs.

For more info please contact us
Customer Service: 787.739.3751
Technical Asistance: 787.487.4814

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