



S-780 FLOOR MORTAR BED MIX

PRODUCT DESCRIPTION:

S-780 Mortar Bed Mix is a Portland Cement based mortar for thick setting “mortar/mud” beds under ceramic or Quarry Tiles over concrete. Summitville S-780 Mortar bed mix is a pre-packaged mortar to eliminate dry mix ratio guesswork on the job site. S-780 can be mixed with clean potable water or with Summitville S-800 Thin Set/Mortar Bed Latex for improved mortar bed flexibility. S-780 must be applied to cured concrete or over wood floors (interior only) built to ANSI A 108 and the Tile Council of North America Handbook for Ceramic Tile Installation methods. S-780 may be used with radiant heat pipe installations. Radiant heat installations must be lowered to a maximum of 75°F before installation of mortar bed and must remain at or below 75°F until the tile installation is complete and has been given sufficient time to cure. Installations requiring reinforcement must have mesh reinforcement in the center of the bed. Reinforcement must not be in direct contact with vertical surfaces, perimeters and/or restraining protrusions.

ADVANTAGES:

- Can be used with Summitville full installation packages for one supplier responsibility
- Specially formulated to compact easily for high mortar bed strength
- Exterior and Interior approved
- Radiant Heat Systems approved
- Convenient, Pre-weighed package size for easy mixing
- Mix with water or with Summitville latex modifier
- ANSI A 108 Compliant Mix

PHYSICAL PROPERTIES

VOC

0

Pot life average at 70°F

1 hour

MINIMUM APPLICATION

Temperature

50°F

Minimum Cure Time

24 hours @ 75°F & 50% RH

Minimum Cure Time before application of epoxy or similar material

96- 120 hours @ 75°F & 50% RH *

* Follow ANSI 108 recommendations

SURFACE PREPARATION:

All substrates must be structurally sound, solid, clean and free from any contaminates, including dust that may act as a bond barrier. Paint must be removed, etc. Concrete must be fully cured and a minimum of 28 days old. Any curing accelerators, strong acid, or alkali residues must be removed/neutralized. Dampen concrete (no standing water) before install of mortar bed material. All wood floors must be well ventilated from beneath substrate. Always follow the floor covering manufactures recommendations for proper underlayment qualifications. Not to be used as a permanent traffic surface. Do not use to fill expansion, perimeter, movement and control joints. These must remain intact to protect floor coverings.

MIXING INSTRUCTIONS:

Some settling can occur during transportation. Dry mix the entire bag contents before separating into small batches for mix with water or latex. In a clean mixing container, use approximately 1.5 quarts (1.4L) of water per 50 pounds of S-780. Gradually add powder to water while mixing in a mortar box, etc. The consistency and workability shall be such as to allow maximum compaction during tamping. Mix until lump free. Compact and trowel mixed material into a surface to desired profile. Protect material from excessive heat and high airflow during cure. Store material in dry area at 70°F for a minimum of 24 hours before use.

QUALITY:

S-780 meets or exceeds the test standards set forth by Summitville Tiles, Inc. Summitville Tiles, Inc. maintains and operates a quality assurance laboratory that conforms to all required atmospheric, temperature and test requirements to provide our customers with the highest quality material possible.

LIMITATIONS:

Per ANSI A 108.02, Do not install tile in areas where the temperature is not maintained above 50°F (10°C) or the temperature is above 100°F (38°C). Substrate, tile, brick and stone temperatures must all be maintained between 50°F (10°C) and 100°F (38°C) before install and until cure is completed. When mixed properly, S-780 meets or exceeds all requirements set forth by ANSI and must be installed according to ANSI A108 and Tile Council of North America Handbook for Ceramic Tile Installation methods. Minimum cure time is 24 hours @ 75°F & 50% RH. If S-780 is used under epoxy or similar material, minimum cure times are recommended by ANSI. Lower temperatures require additional cure time.

COVERAGE:

1 bag at 1-inch thickness = 4.17 square feet
1 bag at 1.5-inch thickness = 2.78 square feet
1 bag at 2-inch thickness = 2.08 square feet

1 cubic foot ~ 144 Lb.

LIQUID REQUIREMENTS:

Use approximately 1.5 quarts (1.4L) of water per 50 pounds of S-780.
Latex requirement will vary depending upon latex.
S-800 is recommended at 1.5 quarts to 1.7 quarts per 50 Lb. of S-780.

PACKAGING:

S-780 Prepackaged Floor Mortar Bed Mix is packaged in 50 pound units and is available in color #960 Gray.