

HENRY®



416 SpeedFlex™

Rapid Setting Thinset Mortar

Quickly Set
Porcelain, Quarry,
Stone & Ceramic Tile

- Use for setting porcelain, quarry, stone, ceramic & mosaic tile over most interior surfaces
- Fast drying – grout in 2 to 3 hours
- Use for exterior applications and wet areas
- Excellent sag resistance – prevents tile from slipping after placement

THE PROFESSIONAL'S FORMULA FOR SUCCESS™

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416 SpeedFlex™

HENRY® 416 SpeedFlex™ Rapid Setting Thinset Mortar is a Portland cement-based, polymer modified thinset mortar for the installation of porcelain, quarry, moisture-insensitive stone, ceramic and mosaic tile over interior surfaces, including plywood.

USE FOR:

- Porcelain, quarry, ceramic & mosaic tile
- Natural stone (not moisture sensitive)*
- * For marble and other moisture sensitive tile and stone installations, use HENRY 316 MarbleFlex™ Marble & Stone Thinset Mortar.

BONDS TO: Interior concrete, cement backer boards, drywall, terrazzo, masonry, and plywood.

SURFACE PREPARATION:

All existing surfaces to receive tile must be clean, sound, solid, and free of weak or loose areas, dust, dirt, oil, or any contaminant that may act as a bond breaker. Remove flaking or deteriorating layers. Sealers should be removed. When necessary, surface preparation must be by mechanical means, such as a chisel or sanding. **DO NOT USE SOLVENTS OR ACIDS.** Surfaces to receive HENRY SpeedFlex must be a minimum of 50°F. The plane of wall surfaces must be plumb and true. Floor surfaces must have minimal variation in the plane or the slope. Should pre-leveling on an interior floor be required, use an appropriate HENRY substrate preparation product. Tiling may proceed as soon as product has cured. Do not install tile directly over expansion joints or other existing moving joints and where substrate materials change composition. See ANSI A 108 AN-3.7 for further information.

MIXING:

The standard mixing ratio is 3.0 to 3.25 quarts of clean water per 25 lb. bag. For mixing smaller batches, mix 2.75 parts powder with 1 part water (by volume). Pour clean water into the mixing container first, then add the HENRY SpeedFlex powder. To obtain a stiffer consistency, use the lower mixing ratio. Mix vigorously by hand for 2 to 3 minutes using a margin trowel or mixing stick. For best results, mix with mixing paddle and heavy-duty drill. Just prior to application on the substrate, the mixture should be stirred again to ensure a creamy, smooth, lump-free consistency. Setting of tile may commence immediately.

NOTE: The pot life of HENRY SpeedFlex is 30 minutes at 70°F/21°C. If surface skinning occurs within this time, stir material again before using. **DO NOT ADD MORE WATER!**

INSTALLATION:

After mixing, apply the mortar to the substrate with the flat side of a trowel to obtain a solid mechanical bond. Apply to an area no greater than that which can be covered with tile while the mortar remains plastic (approx. 10 minutes open time, depending on the substrate and job site conditions). Comb the mortar with a notched trowel of sufficient depth to ensure that the tiles are covered uniformly over their entire surface. The type and size of the tiles will dictate the size of the notched

trowel to be used. The position of the tiles may be corrected for approximately 5 to 10 minutes after installation. Rough or uneven substrates may first be treated with a full scratch coat of HENRY SpeedFlex. Installation of tiles may begin after the scratch coat has hardened for 2 to 3 hours.

COVERAGE:

- 50 sq. ft. per 40 lb. bag 1/4" x 1/4" x 1/4" sq. notched trowel
- 38 sq. ft. per 40 lb. bag 1/4" x 3/8" x 1/4" sq. notched trowel

COLORS: Available in Gray

BACK-BUTTERING:

When setting certain types of tiles it may be necessary to trowel a layer of mortar on the back of each tile prior to placement on the combed mortar bed in order to achieve the required mortar-to-tile contact. Press each tile firmly into the freshly combed mortar to insure maximum mortar contact with tile. Tile must not be applied to skinned-over mortar.

GROUTING:

Tiles can usually be grouted after 2 to 3 hours. HENRY recommends the use of HENRY Flex Grouts.

CLEAN UP:

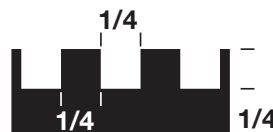
Use clean, damp cloth for clean up. If material dries, use mechanical means to remove.

MIXING RATIO:

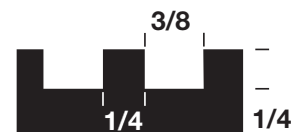
- 3.0 to 3.25 quarts water per 25 lb. bag
- For smaller batches, mix 2.75 parts powder with 1 part water (by volume).
- Shelf life is one year if unopened. Store in a cool dry place.

WARRANTY:

For complete warranty details, contact your dealer or our Customer Service Center at 800-232-4832.



SQ-NOTCH 1/4"D x 1/4"W x 1/4"A
50 sq. ft./40 lb. bag



SQ-NOTCH 1/4"D x 3/8"W x 1/4"A
38 sq. ft./40 lb. bag

HENRY®

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(724) 203-8000

Customer Service and Technical Information
1-800-232-4832
www.wwhenry.com

HENRY Commitment

HENRY is committed to helping you get the best results in professionally installed floors. 70 years of experience combined with our relationships with the leading resilient, wood and carpet manufacturers ensure that you receive the products and the support you need to complete the job successfully and profitably.

HS147 (11/07)

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