

HENRY®

The Professional's Formula For Success™

HENRY® UniFlex™ Pro

Universal Grout

- Rapid set - open to traffic in just 2 hours
- Excellent color consistency
- Use for grout joints from 1/16" to 1/2" (1.5 mm to 12.7 mm)
- Use with porcelain, glass, quarry, ceramic and mosaic tile as well as most natural stone tiles*
- Ideal for commercial and residential applications including swimming pools, showers and kitchens
- No slake time needed
- Stain resistant, water repellent and highly flexible
- No sealer required
- Use for interior or exterior applications - floors, walls, countertops
- Easy to mix and apply - just add water



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HENRY[®] UniFlex[™] Pro Universal Grout

Description and Usage

HENRY[®] UniFlex[™] Pro Universal Grout is a high-performance, Portland cement-based, polymer-modified grout that provides a smooth finish for floor and wall tile joints 1/16" to 1/2" (1.5 mm to 12.7 mm) wide on installations of porcelain, glass, quarry, ceramic, mosaic, and most natural stone tiles.* Freeze/thaw resistant, stain-resistant, water repellent and naturally resistant to mold and mildew formation, HENRY UniFlex Pro also is fast setting and can be open to traffic in just 2 hours. With excellent flexibility and high bonding power, HENRY UniFlex Pro is ideal for interior and exterior floor, wall and countertop applications, as well as for use in swimming pools with pH-balanced water.

Joint Preparation

The existing tile must be set firmly. The tile joints must be clean and free of all setting materials, dust, moisture and foreign matter. Expansion joints must be provided over existing moving joints and cracks and where substrate materials change composition or direction per ANSI A108 AN-3.7.

Recommended Tools

Mixing bucket, rubber float, mixing paddle, 1/2" (12 mm) heavy-duty drill (min. 650 rpm), sponge and white Scotch-Brite[®] pad.

Mixing and Application

Mix each 20 lb. (9 kg) Bag of HENRY UniFlex Pro with 1 3/4 - 2 quarts (1.7 - 1.9 L) of clean water.

Mix each 8 lb. (3.6 kg) Box of HENRY UniFlex Pro with 20 - 28 fl. oz. (0.6 - 0.8 L) of clean water.

To mix smaller quantities by hand, use 4 parts of powder to 1 part of clean water by volume.

Starting with the lowest amount of water specified above, pour the water in the mixing container first, and then add the HENRY UniFlex Pro. Gradually add additional water as needed to achieve the desired consistency. Do not exceed the highest amount of water specified above. To obtain a stiffer grout consistency, use slightly less water. NOTE: Less water may cause the material to set faster.

For best results when mixing full batches, mix with a mixing paddle and 1/2" heavy-duty drill. Mix at a low speed until a creamy, smooth, lump-free consistency is obtained.

When mixing small batches, use a margin trowel, and mix vigorously for 2 to 3 minutes. Just prior to application on the substrate, the mixture should be stirred again to ensure a creamy, smooth, lump-free consistency.

Installation should proceed in accordance with ANSI A108.10. Using a high quality rubber float, work the grout into the joints until they are filled completely. HENRY UniFlex Pro has a working time of approximately 30 minutes at 70°F (21°C). Mix only as much as can be applied within this time.

As the work proceeds, remove all excess grout from the face of the tile using the rubber float in a snowplow fashion to ensure that the grout is not being removed from the joint.

Once the grout has taken a firm set in the joints (**approximately 35-40 minutes, 70°F / 21°C**), the joints can be formed, and the residual grout on the face of the tile can be removed easily by using a lightly dampened sponge.

Do not use excessive water.

Any dry film (haze) remaining on the tile surface can be removed easily by finishing or polishing with a dry or slightly damp terrycloth towel or sponge after the grout has hardened completely in the joints.

In extremely warm conditions where the residual grout is left on the tile for too long to re-emulsify, the residual grout can be loosened using a white Scotch-Brite[®] pad. Apply gentle pressure to the pad, and work in a circular motion to loosen the grout. Carefully remove the slurry with a barely damp sponge, rinsing the sponge with clean water after each pass.

Please note that HENRY UniFlex Pro must set a minimum of 72 hours (70°F) prior to being submerged in water.

Notes

At 70°F (21°C), the working time of HENRY UniFlex Pro is roughly 30 minutes, and the pot life is roughly 30 minutes. Jobsite conditions and temperature may affect working time and pot life.

This material is not stain-proof and should be cleaned and maintained regularly to keep the installation looking its best.

HENRY UniFlex Pro is intended for installation at material and surface temperatures between 50° and 85°F (10° to 29°C). Do not install below 50°F (10°C) surface and air temperatures. For warm weather installation instructions, please contact the HENRY[®] Technical Service Department.

HENRY UniFlex Pro is not suitable for use in high chemical resistance applications.

*HENRY UniFlex Pro is not suitable for use with moisture-sensitive stone.

Some types of tiles may be prone to scratching and surface discoloration when using grout. As always, The W.W. Henry Company recommends the installation of test areas to confirm the suitability of the product for the intended use.

Dispose of container and residue in accordance with federal, state and local waste disposal regulations. Do not flush material down drains.

Never mix with cement or additives. Observe the basic rules of tile work.

Technical Data According to HENRY[®] Quality Standards

All data based on a mixing ratio of 4 parts powder to 1 part water by volume at 70°F (21°C). Physical properties are typical values and not specifications.

Mixing Ratio: 1 3/4 - 2 quarts (1.7 - 1.9 L) of water to one 20 lb. (9 kg) Bag.
20 - 28 fl. oz. (0.6 - 0.8 L) of water to one 8 lb. (3.6 kg) Box.
For smaller batches, use 4 parts powder to 1 part water by volume.

Pot Life: Approx. 30 minutes

Working Time: Approx. 30 minutes

Open to Traffic: 2 hours

Brinell Hardness: 1 Day 5,000 psi (351.5 kg/cm²)

3 Days 6,500 psi (457. kg/cm²)

7 Days 8,000 psi (562.4 kg/cm²)

28 Days 8,700 psi (611.6 kg/cm²)

VOC: 0

Packaging: 20 lb. (9 kg) net weight Bag

8 lb. (3.6 kg) net weight Box

Storage: Store in a cool, dry area. Do not leave package exposed to sun.

Shelf Life: 1 year, if unopened.

Warranty: HENRY[®] Standard Limited Warranty applies.

Colors Available

For a list of available colors, contact the HENRY[®] Technical Service Department

Color Variance

Actual grout color may vary when dry, depending on installation conditions, substrate, type of tile installed and other factors. To minimize the possibility of color variance between bags of the same color used on the same installation, mix all grout using the same amount of water.

Coverage in Sq. Ft.

Tile Size (inches)			Grout Joint Sizes (inches)						
Width	Length	Thickness	1/8	3/16	1/4	5/16	3/8	7/16	1/2
1	1	1/4	38.0	26.2	20.4	16.9	14.6	13.0	11.9
2	2	1/4	73.6	49.7	38.0	30.9	26.2	22.8	20.4
2	2	3/8	49.1	33.2	25.3	20.6	17.5	15.2	13.6
4 1/4	4 1/4	5/16	122.8	82.3	62.3	50.2	42.2	36.4	32.1
4	8	1/2	96.1	64.2	48.5	39.0	32.7	28.2	24.8
6	6	1/2	108.1	72.2	54.6	43.8	36.8	31.7	27.9
8	8	3/8	191.6	127.9	96.6	77.4	64.9	55.8	49.1
12	12	3/8	286.6	191.1	144.1	115.4	96.6	82.9	72.8
13	13	3/8	310.4	206.9	156.0	124.9	104.5	89.7	78.7
16	16	3/8	381.7	254.3	191.6	153.3	128.2	110.0	96.6
18	18	3/8	429.2	285.9	215.4	172.3	144.1	123.6	108.4
24	24	3/8	571.8	380.7	286.6	229.3	191.6	164.3	144.1

Coverage based on a 20 lb. (9 kg) Bag. Actual coverage may vary based on jobsite conditions, tile textures and installation methods.

DANGER! CORROSIVE. CANCER AGENT! INHALATION OF DUST MAY PRODUCE CANCER.

CAUSES BURNS TO EYES AND SKIN. CONTACT WITH WET MATERIAL, OR MOIST AREAS OF THE SKIN, CAUSES SKIN BURNS. MAY CAUSE RESPIRATORY IRRITATION.

Do not get in eyes, on skin or clothing. Do not breathe dust. Do not swallow.

Use only with adequate ventilation. Keep out of reach of children. Wear rubber gloves, safety goggles, and a NIOSH-certified dust mask.

FIRST AID TREATMENT: Contains Sand (crystalline silica); Portland Cement; Calcium Aluminate; Vinyl Acetate Copolymer; Lithium Carbonate. **Eye Contact:** Rinse with water for 20 minutes. **Skin contact:** Remove contaminated clothing and wash with soap and water. **Inhalation:** Move person to fresh air. **Ingestion:** Call a poison control center or doctor immediately. Do not induce vomiting. For all cases, obtain medical attention immediately.

For full safety information, refer to the Material Safety Data Sheet (MSDS) at www.wwhenry.com. The W.W. Henry Company, 400 Ardlex Park Drive, Aliquippa, PA, USA, 15001

FOR EMERGENCIES, CALL CHEM-TEL AT: 800-255-3924 (toll free) / 813-248-0585 (collect). For product information, call: (724) 203-8000.

This product contains chemicals known to the state of California to cause cancer.

Contains: crystalline silica, the respirable fraction of which can cause cancer when inhaled.