



HELMITIN
QUALITY ADHESIVE SOLUTIONS

HELMICOL 3407

OUTDOOR SYNTHETIC TURF ADHESIVE

Product Description

Helmicol 3407 is a two-component solvent-free, polyurethane adhesive formulated for the installation of Sports Fields, Synthetic Turf and the adhesion of seams and repairs between substrates including, but not limited to backing systems composed of polyurethanes, polyester, nylons, cordura, etc., in outdoor environments subject to the elements. Helmicol 3407 provides a tough, flexible, water-resistant bond when cured.

Benefits

- ✓ Non-Flammable
- ✓ Solvent-free
- ✓ Excellent moisture and alkali resistance
- ✓ Low odor
- ✓ Sets to a flexible, permanent bond
- ✓ FloorScore® Certified by SCS Global Services

Testing Methods

- Freeze-thaw stability (ASTM D7149)
- Shelf Life (ASTM D1337)
- Adhesive Shear Strength (ASTM D6004)
- 90° Peel Resistance (ASTM D6862)

Handling & Storage

- Adhesive shall be stored in a dry, climate-controlled area. Shelf life is one year from date of manufacture in unopened, properly stored containers.

Physical Properties

Weight/Gal: 12.2lbs mixed

Color: Amber

Mix Ratio:	Part A	Part B
Weight	100	16.6
Volume	6.0	1.0

Working Time: 45 minutes. Higher temperatures will result in shorter working time.

Shelf Life: 1 year in unopened, properly stored containers

Freeze-thaw: Freeze-thaw stable. Allow adhesive to acclimate to normal room temperature.

VOC: <12grams/liter per SCAQMD

Coverage

- Average size tape – 60' per unit
- 4" wide tape – 40' per unit

Packaging

- HELMICOL 3407 is available in 2 gallon units

Clean up

- Use MEK, toluene or acetone to clean tools when adhesive is wet. Cured adhesive is very difficult to remove. Use caution when handling flammable solvents.

Application Guidelines

1. The substrate must solid, firm, load-bearing, free of defects or contaminants and suitable as sports ground. Water must be able to drain off.
2. Do not apply adhesive if the surface temperature drops below the dew point during the adhesive application. Do not apply adhesive if the surface temperature or the air temperature will drop below 50° F during the adhesive curing period.
3. Pour the entire contents of the Part B container into the Part A container. Using a low speed mixer, thoroughly mix the contents until a smooth, even colored consistency is achieved. Do not use those parts of the adhesive which stick at the edges. It is better to refill the mixture into a clean bucket and stir well.
4. Apply adhesive to the polyester seam tape. The application rate of the adhesive depends on the backing structure of the turf. The turf can be positioned into the adhesive immediately after the adhesive has been applied to the tape. The working time of the adhesive is 45 minutes, depending on environmental temperature, air humidity and substrate temperature. Higher temperatures will accelerate the cure time. Lower temperatures will delay the cure time. If the adhesive remains uncovered longer than the recommended 45-minute working time, a loss in adhesion strength may result. Immediately roll turf to insure good transfer of adhesive.
5. Adhesive set time is approximately 12 hours.

General Warranty & Precautions

Helmitin warrants its private label adhesive formulations to be free of all manufacturing defects. The warranty period shall be in place for one (1) year from the date of installation and will also be guided by the date of manufacture to insure the integrity of the formulation and that proper storage and shipment of same has taken place. Please contact Helmitin for detailed warranty information and information for Helmitin's "Match It ASTM F2170 Moisture Warranty." Do not wash or begin maintenance procedures on the floor for a minimum of 5 days after installation to allow the adhesive to properly cure. Carefully read and follow all precautions and warnings. Keep out of reach of children. For complete safety information, refer to Safety Data Sheet (SDS) available from Helmitin Inc.

Statements and recommendations made herein are based on tests believed to be reliable. However, no guarantee of their accuracy or completeness is made. Unless otherwise provided in written contract, products are sold without warranties or conditions expressed or implied. Purchasers must make their own tests to determine the suitability of our products for their particular purpose.

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*SEE SDS FOR REGULATORY INFORMATION