



Ultrabond® Turf 527

Premium Urethane Sports-Turf Repair Adhesive



DESCRIPTION

Ultrabond Turf 527 is a moisture-curing, one-component, polyurethane adhesive specifically designed for the repair of existing outdoor turf in high-performance sports installations. *Ultrabond Turf 527* can be used in both interior and exterior applications, and has excellent weather resistance. A light misting of water will speed up the cure time of *Ultrabond Turf 527*, allowing for quick repairs. *Ultrabond Turf 527* meets FIFA requirements for bond and shear in sports-turf applications.

FEATURES AND BENEFITS

- Easy application; quick cure for fast repairs
- Limited expansion during cure for flat installations
- Meets FIFA standards

INDUSTRY STANDARDS AND APPROVALS

- FIFA Joint Strength (EN 12228 & EN 13744): > 25N/100mm
- | | |
|---|--------------------|
| <u>LEED Points Contribution</u> | <u>LEED Points</u> |
| MR Credit 5, Regional Materials* | Up to 2 points |
| IEQ Credit 4.1, Low-Emitting Materials – Adhesives & Sealants | 1 point |

* Using this product may help contribute to LEED certification of projects in the categories shown above. Points are awarded based on contributions of all project materials.

WHERE TO USE

- Interior and exterior synthetic grass installations
- Professional and educational sports fields arenas
- Commercial and residential landscaping applications of synthetic grass

LIMITATIONS

- Do not install in areas not recommended by the turf manufacturer.
- Use only when the substrate temperature is between 50°F and 90°F (10°C and 32°C), and when the ambient relative humidity is between 40% and 80%.

Note: When the ambient relative humidity is low, longer cure times will be expected. A light misting of water will accelerate cure in arid conditions.

SURFACE PREPARATION

- All substrates must be prepared in accordance with the manufacturer of the synthetic playing surface for the type of intended use, and must comply with current regulations or standards (i.e., FIFA).

MIXING

Note: Wear all appropriate personal safety equipment during use. Refer to Material Safety Data Sheet (MSDS) for more information.

- Ready to use; no mixing is necessary.

SUITABLE SUBSTRATES

- Manufacturer-recommended seaming scrim or *Ultrabond Turf Tape*

PRODUCT APPLICATION

1. Read all installation instructions thoroughly before installation.
2. Cut tip on cartridge and puncture seal. Place cartridge in appropriate caulking gun.
3. Pull back synthetic turf in the area of the repair.
4. Extrude *Ultrabond Turf 527* to cover 100% of the area under the repair.
5. Place turf into the extruded adhesive and roll into place with a 100-lb. (45,4-kg) roller.
6. Check for 100% adhesive transfer to the turf backing.
7. Weight the repair to hold in place during cure.



Product Performance Properties

Laboratory Tests	Results
Polymer type	Polyurethane
Percent solids	100%
VOCs	14 g/L
Color	Beige
Flash point	> 200°F (93°C)

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

Shelf Life and Application Properties

Shelf life	1 year when stored in original packaging at 73°F (23°C)
Storage conditions	50°F to 90°F (10°C to 32°C)

Application Characteristics

	Flash Time*	Working Time**
At 73°F (23°C) and 50% humidity	0 minutes	30 to 45 minutes

* Flash time is the amount of time recommended for the adhesive to remain exposed to the air following application before the installation of a floor covering.

** Working time is the maximum amount of time that an adhesive can remain exposed to the air and still effectively bond to the floor covering.

Note: Working time and adjustment time vary based on temperature, humidity, substrate porosity and jobsite conditions.

Packaging

Product Code	Size
93819	28.7 U.S. oz. (850 mL)

Approximate Product Coverage*

Flooring Type	Recommended Bead Width	Coverage
Synthetic turf	1/4" (6 mm)	About 88 linear feet (26,8 m) per 28.7 U.S. oz. (850 mL) cartridge, or 5 to 10 sq. ft. (0,46 to 0,93 m ²) per tube if used to cover entire open surface

* Coverage shown is for estimating purposes only. Actual jobsite coverages may vary according to substrate conditions and setting practices.

CLEANUP

1. Immediately clean any adhesive smudges from the flooring material's surface with *Ultrabond Urethane Cleaner* while the adhesive is still fresh/wet. *Ultrabond Turf 527* is extremely difficult to remove when cured.
2. Immediately clean tools with *Ultrabond Urethane Cleaner* while the adhesive is still fresh/wet.

PROTECTION

- Protect from light traffic for at least 12 hours, and from heavy traffic for at least 24 hours.
- Protect from rain/water exposure and freezing conditions for 24 hours after installation.

Refer to MAPEI's MSDS for specific data related to VOCs, health and safety, and handling of product.

STATEMENT OF RESPONSIBILITY

Before using, user shall determine the suitability of the product for its intended use and user alone assumes all risks and liability whatsoever in connection therewith. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

We proudly support the following industry organizations:



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