

1. General Description

Echo Bond is a thixotropic, one component polyurethane adhesive.

Basic Uses: Echo Bond is designed for indoor and outdoor use to adhere prefabricated rubber mats and artificial turf to concrete, wood, and asphalt.

2. Safety Guidelines

Always wear the recommended personal protective equipment. Avoid contact with eyes, skin, and clothing. Adequate ventilation is required during the application process

3. Storage and Packaging

Echo Bond should be kept dry and cool in original packaging. Product shelf life is 1 year in sealed container.

Echo Bond is packaged at 17 kgs (approximately 4.2 gallons).

4. Coverage

The consumption rate is 0.4 -0.7 kgs/m² (1.0 – 1.8 lbs /yd²) for prefabricated mats and 1.4 – 1.7 kgs/m² (3.6 – 4.5 lbs/yd²) when used with artificial turf.

The consumption rate for 6" seams is 225-275 linear foot and for 10" seams is 100-150 linear foot.

5. Installation Guidelines

Note: Make sure adhesive and surface are at 45°F (7°C) or above for 48 hours before, during, and 48 hours after installation.

Before application, the surface must be sound, smooth, dry, clean, and free of excessive moisture or alkali. Remove dirt, wax, loose paint, and all other foreign matter that would interfere with a good bond such as curing agents and sealers

Installation

1. Layout seam tape
2. Pour a thin layer on the seam tape. Applying a continuous bed of about 5/16" thick adhesive at 6" wide, approximately 3" per side to be glued.
3. Mist with water using an airless sprayer (**Low Humidity Only**)

Features and Benefits

- ✓ One component
- ✓ Designed for indoor and outdoor use
- ✓ Excellent adhesion on many substrates
- ✓ No VOC
- ✓ Excellent Grab/Tear Strength
- ✓ Excellent Green Strength



Fort Lauderdale, Florida



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4. After application to the substrate or seam tape, wait 5-10 minutes for adhesive to absorb surface and atmospheric moisture, and then lay down the turf. Longer wait times are required under drier conditions.
5. Once small bubbles start to develop on the surface of the adhesive, press the turf firmly, applying enough pressure to ensure full contact between glue and turf.
6. Wait 5 minutes – DO NOT lift the turf as lifting will cause delamination of the glue and turf
7. After 10-15 additional minutes, press the seams ensuring contact between both surfaces – a weighted roller may be used for field applications.
8. Begin brooming and infilling after 3-4 hours, when the adhesive has hardened to the touch.
9. Adhesive will be completely cured in 24 hours. Echo Bond is a moisture cured adhesive, so humidity in the air, substrate, and turf backing will affect the outcome of the bonding and extreme temperature variations will affect the curing process.

6. Limitations

- Do not apply over wet substrates
- Substrate and application minimum temperature 4°C (40°F)
- Substrate and application maximum temperature 40°C (104°F)
- Summer Formulation: Design for temperatures greater than 16°C (60°F)
- Winter Formulation : Designed for temperatures between 4°C and 16°C (40°F and 60°F)

7. Technical Data

Based on 23° (73°F) and 50% Relative Humidity

VOC	0 g/L*
Density	1.01 to 1.11 g/cm ³
Viscosity	Thixotropic
Color	Green
Pot life	15 to 25 minutes

**based on Standard formula calculation*

Above figures are guide values and should not be used as a base for specifications

Consult the Safety Data Sheet (SDS) for more Details

For complete and latest warranty and product information, please visit www.shreddedtire.com

