



## DustCube

### I. Safety Information

- Personal Protective Equipment (PPE) is recommended
    - Safety glasses
    - Gloves
    - Work clothes (shirt, pants, shoes)
- 

### II. Coverage Rates for DustCube

20 Ft<sup>2</sup> / Gallon (.5sm/ L)  
Up to 5000 Ft<sup>2</sup> (464.5sm/per DustCube  
1/10 mile (.16k) of single lane driveway

---

### III. Recommended Tools

#### **DUSTCUBE**

- Forklift to load or unload DustCube
- Consult Authorized TechniSoil Dealer for more details
- Pick-up truck or trailer with at least 2500 pounds (1133kg) hauling capacity per DustCube

#### **T-BAR APPLICATOR KIT**

- See T-Bar Applicator Kit Install Guide for more details
  - Pipe wrench with 2-½” (7.5cm) opening
- 

### IV. Suitable Applications / Materials

#### **APPLICATIONS**

- Driveways
- Parking areas
- Roads
- Trails
- Open fields
- Job sites

#### **MATERIALS**

- Base rock (crusher run)
  - Gravel
  - Crushed stone mixes
  - Dirt
  - Clay
  - Sandy aggregate mixes
- 

### V. Top 5 Tips for DustCube

#### **LOADING**

- Use a forklift with a lifting capacity of at least 3000 lbs (1360kg) to load or unload when any DustCube liquid is present
- Center DustCube(s) directly over truck or trailer axles to ensure safe transport and prevent equipment damage

## **TRANSPORT**

- Securely fasten DustCube into truck or trailer bed area with heavy duty tie-down straps or chains and binders
  - Secure DustCube ball valve and vent cap
  - If vehicle (truck or trailer) used for transportation is equipped with adjustable air bag suspension, engage accordingly to safely haul DustCube(s)
  - **IMPORTANT!** Failure to properly load and secure DustCube before transporting can result in unsafe driving conditions or accidents
- 

## **VI. Preparation**

### **PROJECT PLANNING**

- Do not apply DustCube contents less than 24 hours before or after rainfall
- Avoid temperatures below 40° or above 90° F (4.4-32.2C) for any phase of DustCube application, curing, or storage
- Do not apply DustCube contents in heavy winds
- Personal Protective Equipment (PPE) is recommended
- Safety glasses
- Gloves
- Work clothes (shirt, pants, shoes)
- Plan ahead when considering application process
- Avoid application in any areas where overspray may occur
  - Asphalt
  - Hardscape
  - Decorative fencing
  - Houses
  - Vehicles
  - Recreational vehicles
  - Garages, barns, sheds
  - Decorative landscaping
- Allow for continual application of DustCube contents without driving over wet material
- In other words, do not ‘paint yourself into a corner’

### **T-BAR APPLICATOR**

- See T-Bar Applicator Install Guide for parts lists, complete assembly instructions, and application tips
- **IMPORTANT!** Failure to properly install the T-Bar Applicator can result in leakage, spills, or misapplication

### **T- BAR APPLICATOR ASSEMBLY INSTRUCTIONS** **IMPORTANT NOTES**

- It is recommended to use teflon tape for threaded connections to prevent leaks and reduce disassembly time. Threaded connections without teflon tape tend to stick and are more difficult to disassemble.
- All threaded connections only need to be hand-tightened for approximately 3-5 full clockwise rotations. If threading is not possible by hand, use pipe wrench to tighten. **DO NOT OVER-TIGHTEN!**

### **>ASSEMBLY INSTRUCTIONS**

- For all threaded connections, wrap Teflon Tape (PART G) evenly and tightly in a clockwise motion (with threads facing towards you). Only 3-4 clockwise wraps are needed total. Start the first wrap near the end of the thread and work towards base of fitting.
  - Install Drop Tarp (PART I) in truck or trailer bed from DustCube valve underneath supply line. Allow to drape over both sides and end of tailgate so that tarp is close to surface area. This is a preventative measure in case of leaks, misapplication, or wind during application.
  - With DustCube securely positioned in truck or trailer bed with valve in the closed position, attach either female end of Supply Line Starter (PART A) to male end of DustCube valve by threading on in clockwise motion.
  - Depending on desired supply line length, use either one or both Supply Line Extender (PART B) sections by threading male end to female end of PART A and/or PART B in clockwise motion.
  - Install Prop Blocks (PART H) as needed to adequately provide support underneath supply line in truck or trailer bed.
  - Install T-Junction (PART C) onto end of PART B by threading male end to female end in clockwise motion. T-Junction should be parallel to truck or trailer bed to allow for even distribution.
  - Install interchangeable Perforated Applicator Bars (PART E) onto each end of T-Junction by threading male ends to female ends in clockwise motion. Double check that threaded plugs are installed properly and tight.
    - Optionally, the Perforated Applicator Bar Extenders (PART F) can be added to extend the overall width of the T-Bar Applicator. First, remove threaded plugs from PART E. Thread the male end of PART F into the female end of PART E. Be sure to align the perforations to maintain consistent spray pattern
    - **NOTE: Be sure perforations are facing away from truck or trailer!**
    - Failure to properly align Perforated Applicator Bars can result in DustCube polymer application to truck or trailer, or misapplication to surface area.
    - Ideally, perforations should be facing away from truck or trailer directly backwards or just slightly downward towards application surface. Do not aim directly down.
  - Double check all connection areas are secure and that supply line is securely supported with Prop Blocks.
  - Do not open DustCube valve if parked over concrete, hardscape, or asphalt surface as liquid can stain surface area. T-Bar Applicator assembly, disassembly, and cleanup should be done in dirt and gravel area with adequate room to clean safely with water.
- 

## VII. Installation of DustCube

- With the DustCube securely loaded and the T-Bar Applicator installed, the application process can begin
- Position vehicle in direction for continual application before opening DustCube valve
- **IMPORTANT!** To flow properly, the DustCube cap (located on top) must be vented
  - Loosen cap approximately halfway between fully closed and removal to allow air flow for gravity feed application
  - Quickly scan T-Bar Applicator connection points to ensure there are no leaks
  - DustCube liquid flows by way of gravity feed through a fully opened valve at a rate of approximately 15-18 gallons (57-68.5L) per minute
  - A single DustCube can normally be emptied in less than 20 minutes
  - Check that Perforated Applicator Bars are spraying the proper direction (outward facing from vehicle)
- Begin driving slowly to apply DustCube liquid evenly on surface

- Use lowest gear available in either automatic or manual transmissions
- Proceed at idling speed and use brakes to govern speed (preferably under 1 MPH/ 1.6KPH)
- To stop applying DustCube liquid, stop vehicle safely and close valve
- **IMPORTANT!** Do not back up or drive over wet material as it can splash up onto tires, wheels, and/or truck or trailer body
- It is recommended to evacuate all DustCube contents in one application if possible
- If this is not possible, then secondary application coats can be applied after each preceding application coat has dried completely
- If liquid remains in DustCube at the end of an application run;
  - Stop vehicle safely
  - Close DustCube valve
  - Allow remaining liquid to flow out of T-Bar (this may take several minutes)
  - Close vent cap
  - Do not attempt to unload a partially full DustCube unless using a properly rated forklift with an experienced, certified operator
  - To drain any remaining liquid into storage containers, remove Perforated Applicator Bars and T-Junction, and install the Drain Adapter
    - The Drain Adapter has a hose bib that safely and easily allows for draining liquid into storage containers
    - Stored or excess DustCube liquid can be applied with a garden watering can with shower head or handheld or backpack sprayer
- Once DustCube is empty, prepare for cleanup and unloading
  - **IMPORTANT!** Even when DustCube appears to be visually empty, there may still be additional liquid near the valve and/or inside the T-Bar Applicator - Proceed with caution
  - Park in an area where there is a water supply with hose and nozzle for easy cleanup of spills
  - Do not park over any sort of hardscape surface (asphalt, concrete, pavers, etc)
  - Disassemble T-Bar Applicator carefully according to instructions listed in the T-Bar Install Guide
  - Clean any leaks, spills, or otherwise immediately with soap and water
  - Clean T-Bar Applicator thoroughly with soap and water for future use

## **UNLOADING DUSTCUBE**

- **IMPORTANT!** Use caution when unloading empty DustCube to avoid personal injury or property damage
  - Do not unload a DustCube with liquid remaining inside at any time unless using a forklift
  - An empty DustCube weighs approximately 130 pounds (59kg) and can be unloaded by 2 or 3 average people
    - Do not attempt to unload DustCube alone
  - Once unloaded, DustCube can be cleaned out and repurposed for nonpotable water storage, or the tote manufacturer may offer pick-up services in some areas (restrictions may apply)
    - IBC Pickup
    - 888-724-8389
    - <http://www.schuetz.net/tic>
- 

## **VIII. Cure Times for DustCube**

12 - 24 hours or until completely dry

---

## IX. Cleanup

### **T-BAR APPLICATOR DISASSEMBLY & CLEANUP INSTRUCTIONS: IMPORTANT NOTES**

- Disperse all contents of DustCube onto project area before disassembling T-Bar Applicator (even if multiple coats are needed to use all 250 gallons/ 946L of liquid polymer). Unless using a forklift (certified operator), do not move or unload DustCube before evacuating all liquid polymer solution. The DustCube can be stored on a trailer or truck bed for future use, but should not be stored when half full or more for any longer than 7-14 days as the weight of the unit could damage truck or trailer suspension components.
- Do not disassemble the DustCube T-Bar Applicator over any concrete, hardscape, or asphalt surface as liquid can stain surface area. Park truck or trailer in open area preferably over gravel or base rock before disassembling.
- T-Bar Applicator can be reused for season dust control, so long as it is disassembled and cleaned thoroughly before storing for future use.

### **DISASSEMBLY & CLEANUP INSTRUCTIONS**

To drain DustCube contents for application with a handheld or backpack sprayer, the T-Junction (PART C) can be replaced by the Drain Adapter (PART D). The Drain Adapter provides an easy way to pour off liquid by way of a hose bib. This is also helpful for emptying any remaining liquid from the DustCube before removal from truck or trailer.

- With DustCube valve in the closed position, unthread Perforated Applicator Bars and optional Extenders in a counterclockwise motion until perforations face directly down. Allow any excess liquid to drain completely before continuing.
  - Once liquid has drained, unthread Perforated Applicator Bars completely and rinse with water (use pipe wrench if needed). If perforations are clogged, use a soft bristle brush to clean so water can pass easily.
  - If storing T-Bar Applicator in original packaging, disassemble each section in the reverse order of original assembly and clean thoroughly.
    - It is not required to break down T-Bar Applicator any further as storage is available as-is. Only the Perforated Applicator Bars should be removed and cleaned to allow for future use.
  - Clean DustCube valve with water and rinse any spills on Drop Tarp, truck or trailer bed, or otherwise with water and soft bristle brush as needed.
  - The empty DustCube tote can be cleaned and stored for water retention. Spray interior walls with high pressure nozzle (or pressure washer), and allow to drain completely.
- 

## X. Storage of DustCube

- Store DustCube liquid out of direct sunlight in areas with a temperature range of 40° - 90° F (4.4-32.2C)
    - Do not allow liquid to freeze
-

## XI. Maintenance

- DustCube can be applied to complementary surfaces as often as needed
  - High use roads and parking areas may require more frequent maintenance applications
  - DustCube provides seasonal dust control for up to 1 year in residential settings in most case
- 

## XII. Warranty

TechniSoil Global, Inc. warrants this product to be free from defects. Where permitted by law, TechniSoil makes no other warranties with respect to this product, express or implied, including without limitation the implied warranties of merchantability or fitness for particular purpose. The purchaser shall be responsible to orchestrate their own tests to determine the suitability of this product for their particular purpose. TechniSoil's liability shall be limited in all events to supplying sufficient product to re-treat the specific areas to which product proven to be defective has been applied. Acceptance and use of this product absolves TechniSoil from any other liability, from any and all sources, including liability for incidental, consequential or resultant damages whether due to breach of warranty, negligence or strict liability. This warranty may not be modified or extended by representatives of TechniSoil, its distributors or dealers, independent contractors, clients or end-users of any kind.

---