

USAGE OF BULK TANKERS WHEN SPRAYING ASPHALT EMULSION SYSTEMS

Asphalt emulsion, by definition, is a product that is thixotropic in nature. “Thixotropic” is defined as any liquid that inherently becomes thicker or ‘gels’ over time. Therefore, it is very important that asphalt emulsion products are not left sitting in bulk tankers without some form of mixing or circulation of the product. This is why tankers should come equipped with their own pump and circulation hose. It is very important that procedures provided in this bulletin are followed to avoid down time or problems spraying the asphalt emulsion.

Once the bulk tanker has been delivered to a job site, it is the responsibility of the roofing contractor to circulate the asphalt emulsion a minimum of two times per day. Circulation should be completed at the start of the day and then at either lunch time or the end of each day. Circulation time for each period should be a minimum of 30 minutes, up to 60 minutes.

Before starting circulation, open the top lid just enough to allow the tanker to breathe. **DO NOT ALLOW ANYTHING TO FALL INSIDE THE TANK.** Always use polyethylene drop cloth or sheeting under tanker pumps and hoses. Prepare for the unexpected and you will be ahead of the game on cleanup!

Circulate Material;

1. Fill gas tank using unleaded fuel.
2. Start the engine and allow to idle for 3 minutes.
3. Engage motor to circulate product for the allotted time period.
4. Once material has circulated, turn off motor.

Hook-up Spray Equipment:

1. Hook your feed line into the 3” Cam Lock fitting at the bottom of the tanker.
2. Ensure Cam Lock is secure and locked in place.
3. Turn Gate valve to open flow of material to spray equipment.
4. Test roof spray pump / equipment to ensure proper flow and/or pressure of material. Do this while the spray gun is on the ground into an empty drum over a drop cloth.

Spraying:

1. Always use proper safety equipment and procedures. Information is available through OSHA and NRCA.
2. **DO NOT** walk on wet material. Wet material is slippery and may cause you to lose balance and fall.
3. Always check weather conditions before spraying. Weather requirements are as follows:
 - a. Never apply if rain is expected within 24-48 hours.
 - b. Temperatures should be a **MINIMUM** of 55° and rising for a minimum of 24 hours. Do not apply product when temperatures at night are forecasted to fall below 55° F.
 - c. It is best to start work in the early morning and finish early in the afternoon. Allow a minimum 4 hours for product to cure before sunset.
 - d. Check wind conditions prior to spraying. During application, materials may become airborne causing damage to surrounding property.
4. When spraying at perimeter of building, it is highly recommended to use a shield to prevent overspray.
5. Keep a hose available to clean property if needed in an emergency.
6. Clean spray equipment at the end of every day!

7. Close lid on tanker every night to prevent material from drying inside and clogging spray equipment.



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