

Wax Sand Instructions

Tools/Equipment Required

- Play Sand
- Flaked Wax
- Tiger Torch
- Propane for tiger torch
- Cement Mixer (steel drum)
- Holding Containers
- Fan
- Table

Instructions

1. Spread out sand on table evenly, use fans to circulate air. DO NOT direct fans at sand directly or turn too high to cause excessive air movement. Allow sand to dry completely. Some turning of the sand may be required. You can also dry sand outdoors on sunny non windy days. **Hint:** If using non play sand, using a fine sifter, sift sand well before making wax sand. Also play sand is easier to tell dryness at store if purchased during winter months as drier sand will not be frozen.

Note: Use caution when using the cement mixer and torch. Use safety precautions and Personal Protective Equipment.

2. Measure in US gallons and add sand to STEEL drum of cement mixer while cement mixer is turning, do not add too much at a time. 1- 3 Gals is a good amount, depending on mixer size more or less sand may be added. **Hint:** Sand will be very dusty if dry enough.
3. Add ½ lb of flaked or granular wax for every 3 US gallon of sand in cement mixer.
4. In a well-ventilated area or outside (preferably), place tiger torch below drum, close enough to allow torch to heat drum but far enough away not to damage drum badly. Heat the sand just high enough in temperature to melt the wax but low enough not to burn wax or sand. Once sand/wax mix is heated move to next step. Some judgment will be needed to be used and correct temperature will take trial and error as you learn. **Hint:** Less is more in this circumstance. Gradual heat is better than a lot of heat at once in this step.
5. Once all the wax is melted and no longer visible, sand is uniform in colour and there is no longer any dust being created, turn off torch and allow sand to cool while cement mixer continues to turn sand. This allows the sand to not form clumps and keeps wax even distributed.
6. Once sand is cool turn off cement mixer and remove sand into containers and cover with lid. Test sand by taking a handful of sand and put it into a separate container, make small indent in top and pour water into indent. Leave undisturbed for 24h. Water should still be in indent if sand is successfully coated.

Note: We are not responsible for any damage or injury that may of occur to equipment or people by following these directions. Use caution when using power tools and/or torches.