

Concrete Mixing

DO NOT use this equipment unless you have been instructed in its safe use/operation and have been given permission.

PPE and General Precautions



Safety glasses must be worn at all times in work areas.



Long and loose hair must be contained or constrained.



Appropriate footwear with closed-toe must be worn.



Long-sleeve or protective clothing is required.



Protective gloves may be required.

Hearing protection and N95 masks should also be considered. No loose clothing/dangling jewelry. Be aware of SDS for additives (cement, admixtures, etc.), potential for skin irritation, inhalation risks.

NO FOOD OR DRINK PERMITTED NEAR EQUIPMENT

Task Checklist

1. Wear proper PPE (loose clothing should be avoided) and work with a partner.
2. Verify electrical cord is in good condition, do not use if insulation is damaged.
3. Use GFCI protection and do not allow electrical cables to be in water or get the electric motor wet.
4. Keep the work area clear of unnecessary equipment to reduce tripping or other hazards.
5. Keep body parts away from rotating drum or any moving parts of the mixer.
6. Be mindful of putting materials into the mixer in a way that minimizes dust.
7. Be aware of proper lifting techniques and your personal load limit when lifting materials.
8. Do not leave the mixer running unattended.

Cleanup

1. Thoroughly clean the mixing drum inside and out with water to remove all residual materials.
2. You might have to use tools to help loosen up the material stuck to the paddles (with mixer off!).
3. Clean the work area and all tools used so that no residual material remains.
4. Allow tools to air dry before returning to the correct storage location.
5. Put away any reusable PPE and make sure it is clean. If PPE is damaged, notify Lab Manager for replacement.

Potential Hazards

- Chemical exposure on skin
- Noise
- Eye injuries
- Dust
- Rotating machinery
- Electrical shock
- Manual handling
- Skin irritation from cement or additives