

User Mistake Prevention Guide

1. Using a Tile Blade on Concrete

Symptom: Stalling or burning.

Cause: Continuous rim design not suited for dense concrete.

Fix: Switch to segmented or turbo concrete blade.

Correct Blade: Medium or soft-bond segmented concrete blade.

2. Using a Concrete Blade on Tile

Symptom: Chipping or cracking.

Cause: Aggressive segments fracture brittle tile.

Fix: Use continuous rim with water.

Correct Blade: Continuous rim tile blade.

3. Using Dry Blades for Long Cuts

Symptom: Smoking or core distortion.

Cause: Overheating from continuous cutting.

Fix: Short passes or wet cutting.

Correct Blade: Wet/dry hybrid or segmented dry blade.

4. Incorrect Blade Mounting Direction

Symptom: Slow cutting and vibration.

Cause: Reversed blade direction.

Fix: Match blade arrow to saw rotation.

Correct Blade: Any correctly mounted blade.

5. Wrong Saw Type

Symptom: Overheating, stalling, or wobbling.

Cause: Mismatched RPM or power.

Fix: Match blade diameter and core strength to saw type.

Correct Blade: High-speed segmented or reinforced-core blades.

6. Using Worn Blades Without Dressing

Symptom: Sparks, slow cut, shiny segments.

Cause: Glazed bond.

Fix: Dress blade to expose new diamonds.

Correct Blade: Any blade after dressing; soft bond for hard materials.

7. Cutting Wrong Stage of Concrete

Symptom: Rapid wear on green concrete; overheating on cured.

Cause: Using incorrect bond hardness.

Fix: Hard bond for green; medium/soft bond for cured.

Correct Blade: Stage-matched concrete blade.

8. Cutting Rebar with Wrong Blade

Symptom: Segment loss or stalling.

Cause: Non-steel-rated blade contacting rebar.

Fix: Use demolition or reinforced concrete blade.

Correct Blade: Vacuum-brazed demolition or soft-bond reinforced blade.