

# USER GUIDE

## Mortarman 120 Plus – Mortarman 360 – Mortarman 750

“Follow the steps below for great mixes every batch”

### Rules for mixing with the IMER Vertical Shaft Mixer

**Rule #1:** Mix from dry to wet, add material, do not add the water first.

**Rule #2:** We recommend no aggregate larger than 3/8” minus pea gravel. \*

**Rule #3:** We recommend a 3/2/1 ratio mix of stone, sand, and cement. \*\*

### Steps to successful mixes with the IMER Vertical Shaft Mixer

**Step 1:** Start the mixer then add ½ of the material dry and let it blend.

**Step 2:** Add 2/3 of total water needed and let mix until all material is fully wet.

**Step 3:** Add remaining 1/2 of dry material slowly and let blend.

**Step 4:** Once all dry material is added immediately add the remaining 1/3 of the water until the mix consistency you want is achieved.

\* The size and shape of stone different from a 3/8” minus round pea gravel can affect mixer performance and ability to mix. Larger irregular shaped stones can cause damage.

\*\* This ratio is a baseline to work from for optimum mixing. There are preblended bagged materials that sometimes contain over 50% aggregate that can and have been mixed without any issues.

These guidelines come from 25 years of experience mixing with the IMER vertical shaft mixers. With differences in materials your experience may be different but from a general mixing standpoint these are the best steps to follow.