



ELASTOCRETE

LIMITLESS CONCRETE

Sand Ratios For ElastoCrete

You can create your own mix designs using ElastoCrete.

It is important to have sand with particle packing to achieve maximum performance. Particle packing is achieved by having a wide range of particle sizes in your sands.

To test your mix design, pour your mix, and then blow the material with a high CFM leaf blower. Material should level and smooth out. If the mix design has too much coarse sand and or fine sand, then waves blown on the surface will not level with blowing. It is important to have the proper gradation of sands. We recommend the following guidelines for standard mix designs.

Base Mix Design:

50 lbs. of 16 minus grit-gradated marble sand know as POOL SAND (available from ElastoCrete). Then add 20 oz. water to the mix.

Alternative Base Mix Design:

25 lbs. 16 minus grit gradated marble sand known as Pool Sand (available from ElastoCrete)

25 lbs. 30, 40 or 70 medium grit silica or quartz sand.

Add 20 oz. water to the mix.

Coarse sand can be substituted for a medium or fine sand. As sands get finer, less sand must be used to achieve workability.

Marble Mix Design:

35-40 lbs. 30 mesh minus white marble sand (available from ElastoCrete)

Add 20 oz. water to the mix.

Alternative Marble Mix Design:

18 to 20 lbs. 30 mesh minus white marble sand (available from ElastoCrete)

18 to 20 lbs. 60-70 grit fine silica sand.

Add 20 oz. water to the mix.

Note: When adding 20 oz. of water to the mix, **COLD WATER** should be used when working with warmer material and **HOT WATER** should be used when working with colder material. Best performance is achieved when material is between 55-75 Degrees F (13-25 C). Adjusting water temp can help you get closer to desired material temp.

We have found that a mix of marble and silica sands yield the best overall mix. These mix designs are approximate weights. You may choose to use more or less sands in your design to achieve desired workability. Our goal is to help bring down costs to contractors by being able to source local sands. We are happy to help you create your own mix design.