

Caulkcrete[®] 100 Ceramic Cement

Mixing

Mixing is quick and easy. Simply combine 12-16 parts of water (depending on your application requirements) to 100 parts of CAULKCRETE 100 ceramic cement (by weight) and stir vigorously to a creamy, consistent texture.

- Mix all the water and all the CAULKCRETE 100 ceramic cement together at once.
- Do not add water gradually.
- Do not add more water as the mixture thickens, as this will weaken the cement.

Setting

The initial chemical set begins within 2 hours of the time water is added to the dry powder and it continues until the mixture is completely dry. Normally, this takes 24 hours, but the time may vary depending on the amount of water used, the thickness of the cement to be dried and atmospheric conditions. CAULKCRETE 100 ceramic cement is slightly exothermic.

Curing time can be shortened by placing the mixture in a low temperature oven set at 160°F (71°C) for at least 15 minutes. When followed by firing at 1200°F (649°C) for 1 hour per inch of thickness, a better bond will develop and moisture resistance will be improved.

Bonding

Thoroughly clean the surfaces that are to be bonded together and use only a thin coating of cement for best results. CAULKCRETE 100 ceramic cement can be poured, dipped or brushed into place for coating, potting and sealing applications. CAULKCRETE 100 ceramic cement creates an excellent bond to glass, quartz, porcelain, metal and metal oxides.

US: Danger. May cause cancer by inhalation. Causes damage to lungs through prolonged or repeated exposure by inhalation. Contains crystalline silica. See SDS for more information.

EU: Danger. Causes damage to lungs through prolonged or repeated exposure. Contains respirable crystalline silica. See SDS for more information.

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