

User Manual for Ceramic Fiber Rigidizer

Ceramic Fiber Rigidizer is a colloidal silica compound used to improve the surface hardness and erosion resistance of any flexible thermal insulation or refractory product, such as ceramic fibre blanket.

Features:

- Increase the hardness of the surface of ceramic fibre products
- Reflects heat and thermal shock resistance
- Increase the resistance of high velocity gases to erosion.

Installation Information:

- Rigidizer comes ready to use, with no need to mix any additives.
- Brushing, dipping, rolling, and spraying are all methods for applying rigidizer to the visible surface of ceramic fibre products.

Curing:

Rigidizer's bonding action is derived from the removal of physical water. Bonding can be accelerated by heating or oven drying. Curing is determined by the size and geometry of the shape.

Precaution:

- Suitable respiratory protection and ventilation are required when applied by spraying.
- Materials to be rigidized should be free of all grease and oil.

Application Rate:

- 1 Quart Rigidizer will cover approximately 6 square feet of ceramic fibre surface without completely rigidizing the interior of the ceramic fibre body.
- 1 gallon of Rigidizer will cover approximately 25 square feet of ceramic fibre surface without completely rigidizing the interior of the ceramic fibre body.

Storage:

Handling Although ceramic fiber rigidizer contains an anti-freeze additive that lowers the freezing point temperature and provides freeze/thaw stability, it is still recommended that the product be protected from freezing.