

TECHNICAL BULLETIN – M 519 D

RESIBOND® D Acid Resistant Mortar

Product Description

RESIBOND® D Acid Resistant Mortar is a two-component mortar designed to provide exceptional chemical resistance, excellent strength retention at elevated temperatures, and very good resistance to oxidizing environments.

The liquid binder, RESIBOND D Resin, is a vinyl ester resin having superior resistance to solvents, acids and mild alkalis at operating temperatures up to 280°F. The resin is tightly cross-linked by the addition of RESIBOND D Powder during the mixing of the mortar.

The filler, RESIBOND D Powder, is a carefully selected, size graded quartz, with special additives to enhance trowel-ability and prevent “bleeding” or mortar running out of brick joints.

Application

A standard unit of RESIBOND D Mortar consists of one (1) 45 lb. pail of resin and three (3) 45 lb. bags of powder. RESIBOND D Resin can also be shipped in 500 lb. drums.

RESIBOND D Mortar is made by adding the appropriate amount of RESIBOND D Powder to a measured quantity of RESIBOND D Resin and mixing until thoroughly blended. Mortar of suitable consistency for laying acid brick will require 3 parts of powder to 1 part of resin.

Best results are obtained by mixing small batches of mortar. Joints between brick should be made as thin as practical, preferably 1/8”. Once the mortar has started to set, it cannot be reworked and must be discarded. To clean tools, wipe with MEK or sandblast.

Safety

RESIBOND D Resin is flammable. Therefore, flames, sparks, and ignition sources should be kept at a distance. Provide adequate ventilation and wear proper safety equipment. Material Safety Data Sheets must be read before use.

Typical Physical Data

Bulk Density	118 lb/ft ³	1,890 kg/m ³
Compressive Strength	10,000 psi	69 MPa
Modulus of Rupture	3,500 psi	24 MPa
Tensile Strength	1,500 psi	10 MPa
Water Absorption	0.3%	0.3%
Shrinkage	<0.5%	<0.5%
Color	Green-Brown	Green-Brown

The above physical data was derived by using ASTM Test Specifications C-905, C-579, C-580, C-307, C-143

Note

The information contained in this bulletin is believed to be accurate and reliable but is not to be construed as implying any warranty or guarantee of performance. Data are subject to reasonable variations and should not be used for specification purposes.

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