



Product Data

8/02: 5987

MORTAR MIX 413

Technical Data:

Physical Properties: (Typical)

English Units

SI Units

Approximate Amount Required per
1000 9" Equivalent:

¼" (6mm) Joint
Trowelled Joints

850

386 kg.

Approximate Amount of Water for
Trowelling Consistency (add
Slightly more for Dipping)
Per 100 Lbs.
Per 45.36 Kg.

3¼ to 3½ U. S. Gallons

12.30 to 13.25 Liters

Modulus of Rupture at Joints

After Drying at 230°F (110°C)

After Heating at 1700°F (927°C)

lb/in²

80

40

MPa

0.5

0.3

Refractoriness Test: Mortar does not melt or flow out of joints when heated for 5 hours at 2910°F (1600°C).

Chemical Analysis: (Approximate) (Calcined Basis)

Silica	(SiO ₂)	39.5%
Alumina	(Al ₂ O ₃)	45.5
Titania	(TiO ₂)	2.7
Iron Oxide	(Fe ₂ O ₃)	2.3
Lime	(CaO)	9.0
Magnesia	(MgO)	0.3
Alkalies	(Na ₂ O+K ₂ O)	0.9

(Continued)



Product Data

MORTAR MIX 413 (Continued)

All data are subject to reasonable variations and should not be used for specification purposes.

ASTM Test Methods, where applicable, used for determination of data.

Description: Hydraulic bonded mortar or grouting mix that will develop a hydraulic cold set.

Uses: Bonding or grouting floor pavers of furnace pits and aprons and for laying brick in water quench regions of incinerator and power plants.

8/7/01 Dev.