



# PRODUCT DATA

**Brand Name:**

**SPRAY MIX® S-506**

**Description:**

SPRAY MIX® S-506 is a 40% alumina, superduty fireclay, air-setting refractory coating mix with a service temperature limit of 3000°F. It is specially designed to lengthen the life of the refractory to which it is applied. This product is suited for patching firebrick walls that are spalled and worn. SPRAY MIX® S-506 is shipped in a wet, ready-to-use form and adheres well to the refractory surface and forms a bond with it at normal furnace operating temperatures. The surface should be carefully built up by spraying successive thin layers over top of one another. It can be used as a preventative maintenance veneer coating over new walls. It can be placed by spraying, trowelling, or hand packing to a refractory surface cleaned of loose material and dust and moistened to prevent loss of water from the coating. It adheres best when applied to a hot or warm lining.

**Physical properties shown are average values of samples taken under controlled conditions  
ASTM test methods used where applicable**

**Maximum Service Temperature:** 3000°F (1649°C)

**Typical Chemical Analysis (%)**  
**(Calcined Basis)**

Alumina (Al <sub>2</sub> O <sub>3</sub> ) .....	39.8
Silica (SiO <sub>2</sub> ) .....	53.9
Iron Oxide (Fe <sub>2</sub> O <sub>3</sub> ) .....	1.6
Titania (TiO <sub>2</sub> ) .....	1.6
Lime (CaO) .....	0.4
Magnesia (MgO) .....	0.2
Alkalis (Na <sub>2</sub> O+K <sub>2</sub> O) .....	2.5

**Standard Packaging:** 50 lb plastic pail

**Brand Code :** 1128

The properties shown on this data sheet represent typical average results using standard ASTM test methods (unless otherwise noted) conducted under controlled condition (using standard rectangular shapes), and should not be considered to be guaranteed specifications. Properties are subject to normal manufacturing statistical standard deviation ranges, and Resco Products, Inc. reserves the right to modify the properties and specifications at any time without prior notice.

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