



# Chem-Bonded Castables

## Product Data

### RESCOBOND AA-22S

**RESCOBOND AA-22S** is a chemically bonded, erosion resistant, single component refractory material used primarily in thin lining applications to protect against severe abrasion. To prepare for use, blend the **RESCOBOND AA-22S** with water. **RESCOBOND AA-22S** is an air setting material. It can also be used to patch other refractory linings.

**Erosion Loss:** ASTM C-704                      Less than 4.0 cc

**Maximum Service Temperature:**                      3000°F (1650°C)

**Bulk Density:**

220°F (105°C)                      158-170 lb/ft<sup>3</sup> (2528-2720 kg/m<sup>3</sup>)  
1500°F (815°C)                      154-167 lb/ft<sup>3</sup> (2464-2672 kg/m<sup>3</sup>)

**Cold Crushing Strength:**

1000°F ( 540°C)                      12000-20000 psi (840-1400 kg/cm<sup>2</sup>)  
1500°F ( 815°C)                      12000-20000 psi (840-1400 kg/cm<sup>2</sup>)

**Modulus of Rupture:**

1000°F ( 540°C)                      1800-2400 psi (126-168 kg/cm<sup>2</sup>)  
1500°F ( 815°C)                      1800-2400 psi (126-168 kg/cm<sup>2</sup>)

**Permanent Linear Change(%):**

1500°F ( 815°C)                      0.0 to -0.3

**Conductivity or "K" Factor:**

Mean Temp.	BTU/ft <sup>2</sup> /Hr/°F/in	W/mK
1000°F ( 540°C)	11.5	1.66
1500°F ( 815°C)	12.5	1.80
2000°F (1095°C)	14.0	2.02

**Typical Chemical Analysis(%):**

Al <sub>2</sub> O <sub>3</sub>	SiO <sub>2</sub>	Fe <sub>2</sub> O <sub>3</sub>	MgO/CaO	Alkalies	P <sub>2</sub> O <sub>5</sub>	Other
80.0	7.2	1.0	4.8	0.1	4.5	2.4

**Standard Packaging:**                      72 - 55 lb. bags per pallet

The properties shown on this data sheet represent typical average results generated 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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